<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-D3

<400> 12059

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cgaagaccgg attggttggg gtgtggctag catcatactc acaatagtta tggctacttc 120

gtttttttatc cttcccggta tcgngcaaaa cccggttttt t 161

<210> 12060
<211> 193
<212> DNA
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<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-D4

<400> 12060

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atggaagttt tctgcgagat cttaatcgcg atccttcttc cacctcttgg agtttgtctc 120

aaacgtggcc tgttgcactg tagagttctt gatttgcctt gggtgcctga acaatcctta 180

agngaattac cat 193

<210> 12061
<211> 165
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-087-Q1-E1-D5

<400> 12061

aaaccaaacc aaacccatag ggttgtgttg ttgctgttct gttcctatcg accacggcgg 60

cgacgaggcg gagaagaccg acaaagcgga gaagccagct tcgaaaccct ctagcattta 120

ttttttaaaa agcgaaaatt cattttaaag gggttttggg tcaat 165

<210> 12062
<211> 177
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-D6

<400> 12062

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tcctcactac caacacacca gaaggaagct attctacagc tactcctaca aaacaagagt 120

ctaantggct tcacctttgg tattggntcc tccgnttagn ttaattttag gtcnant 177

<210> 12063
<211> 186
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-D7

<400> 12063

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ggctgagatt gtaaccaggt tatatgggga tgagaagaag cttgcagagg atggtanaat 120

tangtgagtt ggtgggatct gatgaagtga aaggatagat gaaaganagg nagggtcntt 180

ntggaa 186

<210> 12064
<211> 193
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-087-Q1-E1-E1

<400> 12064

ggtctcatct acaacatctt agtacttaac ttgccacttg gctcgtttct cttctcgggt 60

ctcctcgctg gcttcctcta cgatgcagag gcaacaccaa ctcctggtgg gggcaacacg 120

tgcgtaggag ctcattgcta ccgtctcatc ttcaatagtc aatgggccaa tttaagcctt 180

tcctggttta att 193

<210> 12065
<211> 267
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-E11

<400> 12065

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tccggaagct tttgttcaat cttctggctg aagaaacgag gactcatgcc tggattaaca 120

ttctcaaacg aattgatctc acgtgacgaa ggtttacact gtgatttcgc ttgtctactc 180

tacacgctac tcaaaacaaa gcttagcgaa gaacgcgtga aatcaatcgt ctgcgacgcg 240

gtcgaaatcg agagagagtt tgtgtgc 267

<210> 12066
<211> 189
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-E3

<400> 12066

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tgcagcttat cgagcatacc aaactctgtg gttttattga cttctctacg ccatgtaata 120

tgcgantaga gaggctttat ggatgtggga aaaggtccan gaaagggcgg gttggcaggg 180

gacctttca 189

<210> 12067
<211> 188
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-087-Q1-E1-E5

<400> 12067

gcggacgcgt gggctgtttt atccgcttca agtggtaacg gcggctctga taacaacgga 60

ggaggtctta gtggtggtgg tggtggtggc gatggaggta agaatgatgg agatggacac 120

gggtgacgag gacagggata ggaacaagga aacgaagggc gaatgccttt ttggttgaaa 180

agggaagt 188

<210> 12068
<211> 179
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-E8

<400> 12068

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tcaaaattcg agatggcagt gaaatcggat aagctcttca cggctatgat ttcattggat 120

ggtactaaag gcggatcagt ggattcgtgg nagggatgnc ttgcantgng taatgattg 179

<210> 12069
<211> 198
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-C1

<400> 12069

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aactgtttct aaagcacctt acgttctaac cgtacatctg aagcggtttg aagcacacag 120

atccgaanaa aatcgatagg aaagtagatt ttacctcctg gcaantttgg accantgaaa 180

aacccctttt tccgntct 198

<210> 12070
<211> 186
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-087-Q1-E1-F1

<400> 12070

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aaatccatca ctccccccct caatcatttc cctgctctgc tggccccaga aacagcttgc 120

taggattcac tacgacgtcg tttcgggttc gtctccaagc tgtgggataa tgggctaatt 180

tcctcc 186

<210> 12071
<211> 205
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-087-Q1-E1-F12

<400> 12071

tatctctcca ctcacaaata ttttgatttg ttttgtaact gtttctcttt ctctggagct 60

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aatgactagt agcgaggaag tagttgaagt gacggtggtt aaagcacctg aagctggcgg 180

aggaaagtta tcacgtcgga agatt 205

<210> 12072
<211> 186
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-F2

<400> 12072

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agctcccctt gacctccccg attcggcgac tgttgctgat ctgcaagaag cgtttcataa 120

gagagctaag aagttttacc cgtcgaggca aagactggac tccttcccgg tgnactcccn 180

tgggna 186

<210> 12073
<211> 190
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-F4

<400> 12073

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aaacatctta aagctatcgc tatgcgtcag cctagtcgtg gttggatcat atgctcaggc 120

tcccgcacca tggaatccat ctaatgggtt tcgtccgggg aacantggtg aaccacctan 180

cggaaggtgg 190

<210> 12074

<211> 112
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-F5

<400> 12074

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cgatgctttt gtcgaaggat tccgggcgna anatcaaaca angcctttcc ct 112

<210> 12075
<211> 166
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-F6

<400> 12075

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ccactacccc caagtactcc aaggccaggt acgantgnaa atcatcaagg aggtgtcctt 120

cctacnttgg aangaaaagg gtttgggtnt aacaaaacnc ccccgg 166

<210> 12076
<211> 156
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-F8

<400> 12076

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agctcaaaaa gttccganat ttttgaagga aagatggtga ggccgtatgg gattaanngt 120

gaacaagaag aagaggagga ggagganagg gaggag 156

<210> 12077
<211> 189
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-087-Q1-E1-G1

<400> 12077

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ccagattcac gacgatctcc gacgcccaaa agagccggnt taagggtggg nttccctcct 180

cccaaggaa 189

<210> 12078
<211> 176
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-G4

<400> 12078

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tcgcatgaca ttcacccgtt tagagtttcg tctgaagcag aggatgcagc cgcagcttaa 120

tgggttctct tctgctgttt gggtctgaat gggggtcaaa ccaggaagna ggggac 176

<210> 12079
<211> 171
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-087-Q1-E1-G5

<400> 12079

catcaaccta tagatctcac tcacataatc aacctacaaa acaaaaacaa gaatgggtag 60

atccaacgag caagatctgc tctctaccga gatcgttaat cgtgggaatc gaaccatccg 120

gtcctaacgc cggctcacca aacggttctc ggggttaagg gggttcaagg g 171

<210> 12080
<211> 188
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-G8

<400> 12080

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gtcatcggtc ccaacgatgt acaggcgtgg cattgagtgt agctgcagga ttgcttggaa 120

gcttgcttgc ctggaactgg ggctaagaat tgtaagcctt ttggantcgg ggagnggtcc 180

caantggt 188

<210> 12081
<211> 188
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-H1

<400> 12081

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ctctgttttt tatgcaagcg tgggtataaa atccagttcc ttttccgatt ttttgttctt 120

ccttcttctt cacttccttt ttttcttctc catttctcaa aanaggccac tcctttgcct 180

taatcctt 188

<210> 12082
<211> 168
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-087-Q1-E1-H10

<400> 12082

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ggctatggct catttcaatc ttcaattcga ttcaggtctt catgacatgc gtcaagtaca 120

tcccacaggc aaagatgaac ttcactagga agagcacagt cgggtgga 168

<210> 12083
<211> 162
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-H3

<400> 12083

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gcagtagtgg tgcattgagc cctgctgttg acactagcga tgacaggcca ccagtttctg 120

aaaagaaagg cataccanga tcaacacagn ttgccgggtg ct 162

<210> 12084
<211> 195
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-H4

<400> 12084

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aggcttgcac gctttcatgg gagcttaggg ttttgggtgc tgatgtnagc tacggagctc 120

agtttgagcc aaccacccga aggaagctat gctgtgatcg tctctaagac acggaaagat 180

tgggactcaa acccg 195

<210> 12085
<211> 94
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-H7

<400> 12085

ctcactcgta tctaccagca ngctttanaa gcttcaattg cccggaactt cacagatnat 60

ggtatgcatt atcgttgtca tggtggtcat caaa 94

<210> 12086
<211> 214
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-E3

<400> 12086

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gccggagcga gcattttctg ttttcaacca attgagagct aaaggtttga ccttggaccg 120

attctcgttt atcacgactc ttaaatcatg ttctcgtgaa ttgtgtgttt caattggtga 180

gggattgcat gggattgctt tgagatctgg gttt 214

<210> 12087
<211> 211
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-086-Q1-E1-E7

<400> 12087

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ggctcacata aagatctaac agagacagta gtatagtccc acttccccac caccaaagct 120

tcgatcatca tcatcatcat catcatggat ccggatccgg atcataacca tcgacccaac 180

ttccctctcc agcttcttga ttcttctacc c 211

<210> 12088
<211> 176
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-E8

<400> 12088

atacacaact ctctcttgtt tttctttttc tgtagatttt ctgtttattc aaaaacttat 60

ttttttcgtc caaaatttga ctttcctgag aactaatcat catcatcatg tccgatggtt 120

atcgtagttc taagaagacg gatactatct gcgaagatgt ttgtggacag gaagga 176

<210> 12089
<211> 63
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-086-Q1-E1-E9

<400> 12089

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aat 63

<210> 12090
<211> 217
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-F1

<400> 12090

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ctccgttact tgtggatctt acgcaatgta tagagttttt gcgagccgag cactgagagc 120

taagtctctc tgtgacaaat catccacctc gcttgcttct ttgactctct ccagattgaa 180

tcattccata ccttttgcta ccgtagatgc cgaggag 217

<210> 12091
<211> 212
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-F10

<400> 12091

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agttttaatc tttcactcga attttgagaa gctaagctcg attcaagagc aagttcctag 120

cttctgttta gggttttagg acttttgtag gattctggta cagttttcag tatctatagg 180

ctttgttgtg ttctacgtgg tgtagatatg ga 212

<210> 12092
<211> 203
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-F11

<400> 12092

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agtttccgat atggctcgct cgtttggagc taacagtacc gttgtgttgg cgatcatctt 120

cttcggatgt ttatttgcgt tgtcctctgc aatagaagag gctacgaagt taggatcagt 180

gatagggata gatcttggta cta 203

<210> 12093
<211> 203
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-F3

<400> 12093

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catcggaggc accgcgtgag atc 203

<210> 12094
<211> 254
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-086-Q1-E1-F4

<400> 12094

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acctganatt aatcttttga tcnctcacgc aatatgactg cctcgagttc tcagtatcgt 120

agaactcgaa actggagaat tagaagttcg tcggaagata atgtancaat ttcgagtgac 180

ggcggagatt tgaagaattc tctgtccggt antgtgggaa atcaagtgga aggagctatt 240

gagcaganaa gaga 254

<210> 12095
<211> 210
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-G10

<400> 12095

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agcaacattt agcttctgca aactccagtt catctctcaa ccctcatatc gccgtgtttt 120

ctcgctctag taccgcgagc tcggacgaac caggaagcaa tccgttaatc tagaagcggt 180

gttgagaaga tgacgattac atcaaatatc 210

<210> 12096
<211> 266
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-086-Q1-E1-G12

<400> 12096

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cggacacgta tagatttggt tgcagcttcc catctttact tgaagtatgt ggtgcagaga 120

ccgttaccat agaagacatt agctccatga gtcaggattc tcagtttgga gagattaatc 180

gcatgatatg tgtcatccca aaaagtgcag gagacaaatt tggccgtttc aagcatctca 240

gtttgttatc tagagtgaac gagatg 266

<210> 12097
<211> 218
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-G3

<400> 12097

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tgaaacaaca tctcattgtt atgaatgttg atgcattctt ttatgtaaac ttaacttttt 180

acaggtgacc tctctgaaag attgtaaggt tccttaca 218

<210> 12098
<211> 215
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-086-Q1-E1-G6

<400> 12098

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aaagggtttt gcttcnaatt caagtgtctc ccttcacttt ctcgctctct attgctgctc 120

tgtttctgct gtcaattccc taagaaagtc ctgattttta gggtgatcga gagaagttgn 180

agaatcatgt tnattgagtt tccttttttg atcca 215

<210> 12099
<211> 85
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-086-Q1-E1-G7

<400> 12099

gagttatgac ctgacnccac tnatagcgcc taacctggac agacacttgg agtttcctat 60

attcgagttc cttcaagagn gtcag 85

<210> 12100
<211> 212
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-086-Q1-E1-G8

<400> 12100

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caaggttaac tttgatgcaa agaacgagta cgatatgata caaagctaca aggncntgca 120

agatgtgttc aacaattctg aaaattacaa agccattgga aattaacagg cttgtnanag 180

gccggccact gnnnaacntg gantttctgc aa 212

<210> 12101
<211> 190
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-086-Q1-E1-H4

<400> 12101

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ctttgtctct cncctaacct ttattgtact agcataacca ttaccataca tactcattca 120

ctatcacgcc acatncgcag attcatcana tcttcttctt gttcatagca tcgnccatca 180

ctatntgggc 190

<210> 12102
<211> 217
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-086-Q1-E1-H5

<400> 12102

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tctcggcata actttcagtg catggatcgt acccggccgg aaacttgtcc cacaaatcgt 120

caaaantaag gagacgaggt ccacaccanc atccatggct cntgcagttt tgaggaagat 180

accaccaana aaaccnaaca atgntanaan aatttnt 217

<210> 12103
<211> 217
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-086-Q1-E1-H6

<400> 12103

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ggttcagttt catctaaaga cagtagaaga aatcaga 217

<210> 12104
<211> 212
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-E11

<400> 12104

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aagaaacaga gttggtgtta gatgcaggtt tcgaggctcc tcacaccaac tcttttggtc 180

gcaccttcag ggattatgat gctgagagtg ac 212

<210> 12105
<211> 173
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-086-Q1-E1-H7

<400> 12105

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taggggtaat aacgctgaca ggaggaaacc tgtggtcaac agtgacagtg actatgatgt 120

tgatgggaca gaggaagctt caggttcagt ttcatctaaa gacagtagaa gaa 173

<210> 12106
<211> 196
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-087-Q1-E1-A12

<400> 12106

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tcaagagagg gattaatctc gccattcgcg accatcgtag cagcgatcct tacatcgttc 120

tcaacgtcgc cgatcagaca ttgaagacac gtgtggtgaa aaaaaattgt aacccagtat 180

ggaatgaaag aaatga 196

<210> 12107
<211> 183
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-087-Q1-E1-A2

<400> 12107

agcttttaga ggcttgtgct atgaattgcg agaaggtttt ctctgaagtt gcttctgaga 60

aagttcttga tgagatggtt tggttaatca agaacggaga agctgattcc gagaacagaa 120

agcgagcttt tcagcttatt agagcttggg gacaatccca aggatcttac ttaatccttc 180

cct 183

<210> 12108
<211> 254
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-A3

<400> 12108

tggtagcctg tnggaaantc gggagtncca ggntcgaatt acgnggtccg cgcacntgnn 60

tcttgccant gctgtttcga gctctcctca aagccctaat tttctcctct tcttcttcat 120

tctctcacca tgaagctcgt caggtttttg atgaaattga acaacgaaac agtttcaatc 180

ggaggcttaa gaacggaacc attggttcaa tgggaaccca atttacctgg ntggtangaa 240

ttggttttaa ggca 254

<210> 12109
<211> 185
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-087-Q1-E1-A4

<400> 12109

gaaagtgaca aggagaggaa gaagaagaaa aaaaacataa tttgaggaag aagaaaaaaa 60

attcggattt gttttttcaa taaattgact aattgagtac tcgtttaaag gaagtgaaga 120

gcggtttttt ggtagtggtg gtcgagaaaa gagagagttt gtctctgtga ctcaggagtg 180

aaaat 185

<210> 12110
<211> 180
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-A5

<400> 12110

tttgtacaca tacattatca ctggggagga attggtcaag cttgcaaggg attacattag 60

gtttcttatg ggaagaccta agactgttcg attgacccga gccatggata gttggaacgg 120

gattcttgga gaagatgtcg aggcaaagaa gtggtatgat gaggtattgg gcctagnaaa 180

<210> 12111
<211> 192
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-B1

<400> 12111

acatttcctt atgattgttt ctgcactgag aaacgagctg aaccaggcct ttgttatttt 60

aaggagcatt gccttaggaa gggacttgaa gaaatttctc atggtggttt ttgggctgtg 120

gataatctcg gttgtgggaa actggttcaa cttcttgaac tccttggtan taccaatcct 180

ggtttttttg gt 192

<210> 12112
<211> 202
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-087-Q1-E1-B10

<400> 12112

ctcgagagac gaatcgctct cagcttcttc tagaaccttc tccttctcct tcgacgcatc 60

gtcgccttca agatcacact acctcgcaca acaatggagt tctggggtgt tgaagttaag 120

aatggcaaac cacttcacct agatcctggg ctagacaggc tcgtgcacat ctctcaggtt 180

gctttgggag agagtaagaa ct 202

<210> 12113
<211> 202
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-087-Q1-E1-B11

<400> 12113

gacttgaggt cgctgggagg cagcttaaac ttgcaccaac ctgtccagag ggtacaagtt 60

tctggccaca gttcgcttca gatgatggtg agggggtct acctaaaatg gcttttaata 120

acctatcatc agctcacatg gggagacatt tcccaggaat attagcttca acctccattg 180

atggtggatc tattcgaggt at 202

<210> 12114
<211> 197
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-B2

<400> 12114

aaatctgaaa aatgtcacaa gcagagagga gatagattac cgaggaagat gatgaagtgg 60

tcgatcgtta agagaatccc cgtctatgga ggttccttca tttctatgaa acatatgatg 120

ttagttccaa gctgatttga gctgggagct gctcgtttct ctgggtaatg ccacctcctt 180

ttgganttaa aaacaac 197

<210> 12115
<211> 157
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-B5

<400> 12115

gtcttttgaa gaagaagatc ctgtttttg gagatgcctg ctgctgtant tgatggacat 60

gatcaagtca ctggtcatat tatttccacc accaatcggt ggcaaaaatg gatgaaccaa 120

naacaggaca attaaggtta acaatgggcg ggnagnc 157

<210> 12116
<211> 169
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-087-Q1-E1-B8

<400> 12116

cgattcgaga gtagcaatgg ggattctatc atggttcacg ggaagtccta agccatcaca 60

gtccgagacg tctaagccgg agatgattca gatgccgaaa tcagaanact ccagccccgg 120

ggatgaatgg agccaataga agttcctcgg gcccggattc ggcgncgga 169

<210> 12117
<211> 385
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-085-Q1-E1-G9

<400> 12117

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cacgaaccaa ctagcgatgg aaatgcagat tcatggttca ccgctggttt caaagaaact 120

ggttccaaat ggaccaaaaa gactacacat tacgtcaaca agcaacaacc tggaaacatg 180

tggtaccatg accacgcggc agggttgacc agagtcaacc ttcttgccgg tttgttaggc 240

tcttacattc tccgtcatag ctcagtcgaa tcgcctcttc ggttacctac cggacgcgaa 300

ttcgatcgtc ctttggtcat ctttgaccga tcttttcgta aagatggttc catttacatg 360

aacgctacag ggaacaatcc aacga 385

<210> 12118
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-H3

<400> 12118

caagtgatcc ttcactctct atactgcgat ttaccgttct tctgactctt gttgcgaatt 60

cggatcggct gacgcagctc cgattgcaca acaatggctt ctcgtatcat caatcattcc 120

aaaaagttga aacatgtttc cgctttactg cggcgtgacc atgctgtggc agtccgctgt 180

ttctccaaca gtacccaccc ctctctcgtt ggaagagaag atatcttcaa ggcccgcctg 240

aattattcct ctgtagagaa gaatttcaaa atgtgggtac tggcaatgta acaatgctta 300

agtgggtatt tcaacaacga agcacaaana ctaagcagcc caatggcang gaccaaaaac 360

tantttaagg aatttataag ctcccaaatg cgattagtga gaaggattt 409

<210> 12119
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-H7

<400> 12119

agataggaga agggaacgga gatgatccct acttattcac tactaacaac ttcgccggac 60

gacaaacatg ggagtttgat cctgacggag gctcgccgga ggaaagacac tccgtcgttg 120

aggctcgccg gattttctac gacaatcgtt ttcatgttaa agcaagcagc gatctcttgt 180

ggcgcatgca gtttctgagg gagaaaaagt ttgagcaacg gatagctccg gtgaaagttg 240

aagactccga gaaggtaacc tttgaaacgg cgacgagtgc attacggaga ggtattcatt 300

tcttctcggc gttgcaagcc agcgacggtc actgggccgg cgggnaaatg ccgggccctt 360

tggttttccn tccgccaatn ggtgtttttg nccttanana aa 402

<210> 12120
<211> 385
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-085-Q1-E1-H9

<400> 12120

atccttctcg aacgaccccg agctcctggt accaaagcgg atgaatcaaa ggcaacagga 60

gatggcttgt ctcagctggg taaaggtggt gcagttctca tggtgtgcag gatatgccac 120

aagaaaggag atcactggac atcaaaatgt ccatacaagg atctagctgc accaaccgat 180

gtcttcattg acaagccacc cacaggggaa tcatctacca tgtctgctgc acctggaact 240

ggcaaggccg cgtatgtccc gcctagcatg agagcaggtg cagacagaag cgctgtgggt 300

tcagacatga ggaggaggaa cgatgagaac tctgtgcgtg taaccaatct gtccgaggat 360

acccgtgaac ctgacttgat ggagc 385

<210> 12121
<211> 215
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-A10

<400> 12121

actatcagtc tctcacctaa cagcttccac gtgtcttcct cgcgaaagta atggcattgc 60

cattgtatgg ttgcgttaag aattctacag atcattcatt ccccaattca atacgaagac 120

gaagttgtgt gataatcatt cattaatcac acatttgatc tgagcgaggg agagagagaa 180

agagatcttg tccgaacgat gaaggcggag aagaa 215

<210> 12122
<211> 218
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-A4

<400> 12122

atagatagag ggagaagaag aagacgaaca cggagctgaa acaatgatta cgatcccata 60

ccttaccgct gtatcaacgt atttcagcta cggcttgctt ttcgcgtttg gtcagcttcg 120

cgattactct cgcctaatct tcgattggtg gcgcaccaac aatctccagg gatacgctcc 180

gatctgcttg gcgcatgagg atttctacat ccgacgat 218

<210> 12123
<211> 194
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-A6

<400> 12123

aaacttcgtc tccgttaatt cgcactctcg ttctcgtctt cgtcgccgga ggtcgtatca 60

agtcagccct caacgatccg atttgttttt tcagacaaag gttgattctc tgggtatgag 120

ttttcttcta tgagacagac atgttgtatt tggtgcttaa tgactaggta atgaaggcta 180

tatgtgatag attt 194

<210> 12124
<211> 209
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-A8

<400> 12124

atgttctact tcagcacgca ttctctactc gataagaaga tgatgtcaac tacgatacaa 60

gccatcaaga tatcaaagca actaggcaat gtcatttttt atgacttgaa tctcccttta 120

ccactatggc actccagcga agaaaccaag tctttcatac aggaagtgtg gaatcttgca 180

gacgtcattg aaatcacaaa acaggaaca 209

<210> 12125
<211> 222
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-A9

<400> 12125

tttttttgg tcaaagtctt ttttagaccc cctttatttc taatttcccc ttaataaaat 60

agtagagagt aaactataaa agcaaacaat taaattcatt agcattaaaa acataacaag 120

atctttagaa ccacaataat agtttgatac taaataagta aactcttaga gaggtaagta 180

tatataacca actactacta gagaggtaaa caaaacattc ct 222

<210> 12126
<211> 214
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-B2

<400> 12126

gccagattct ctgaaatggt gttttgaggc tgcatggata cttgcgcttt cttatttcat 60

tgcatacttg gagactattg ctatcgcaaa ttttccttac tatgagtttg tggaccgaag 120

tgccatgtac agagttggat gtcttttcta tgccatttac ttcattgtga gcttcccaat 180

gttcttcagg atggatgaga aatcaactga tgaa 214

<210> 12127
<211> 224
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-B4

<400> 12127

agagcttcat catccatgta ttagtagaaa tgtggggatg cttcttcagc agtataagtg 60

ttttggatca tcagcagctt ctttaattca gagaaaccct ttgttttcgt cgttggattc 120

gaaagatgtt agctacttta aggagatatt aggtgaaaaa aacgtggttg aagataaaga 180

aaggcttgag actgctaata cagattggat gcataagtac aaag 224

<210> 12128
<211> 214
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-C11

<400> 12128

gttgagaaga agaacatctt ccccactctc tcccttcttc ttcttcttct tcaactcaaa 60

aaacttctct ctctctctct ctctctctct gaatcaatta aaaaacggtt ttgggttctt 120

gtcctctgtt ctctagtggc ttctattatt ctcattggtg gctgttccag ctctcttaag 180

gtctccttag tgtgatctca gatctgattg gtcc 214

<210> 12129
<211> 270
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-086-Q1-E1-C12

<400> 12129

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agaaaaaaca aaagatgaaa accattatcc tttttgtaac atttcttgct ctttcttctt 120

catctctagc cgatgagaca gagactgaat ttcattacaa acccggtgag atagccgatc 180

cctcgaaatg gagcagtatc aaggctgaat ggaaaatttg cgggacaggg aagaggcaat 240

cgccaatcaa tcttactcca aaaatagctc 270

<210> 12130
<211> 216
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-C3

<400> 12130

gctaaatctt caattcacat ataccaaaga aaaaaaaact tcagattcat taagtaaaac 60

agaaaaattt ctaccttcaa gaagcgtcct cttctgttct caccgatatc gaagtaaaac 120

acctgaataa agcaacaaca gcagaaatta aagagagtgg aaaagtcaac gatcgccaga 180

agagagtgat gataaagttg aaaccttgga atcaac 216

<210> 12131
<211> 220
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-C4

<400> 12131

caccctgat tgcttagctg gattgacatt tgtaattagc ggaacacttg acagtttaga 60

aagagaagaa gcagaagatc tgattaagcg gcatggtggt cgtattacag gctctgttag 120

caagaaaacg acctaccttt tgtgtgatga agacattggc ggaaggaaat ctgaaaaagc 180

taaagagctg ggcactaagt tccttacaga ggatggccta 220

<210> 12132
<211> 281
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-086-Q1-E1-C6

<400> 12132

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ttgcctcgtt tcaagagctt ttctctctct cttgaagaaa attttctaga tcnagattta 180

gttttctggg tagtgttctt catcgcaggc caaagtcttt atacgatggt tcaggagtga 240

gctcgttact cttcgccgtc aacggtggtn aggtntgnct c 281

<210> 12133
<211> 220
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-C7

<400> 12133

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tcgtggtttt gcagtcaagt tctacaccag agaggggaac tttgatcttg ttggaaacaa 120

ctttcctgtt ttcttcatcc gcgatgggat gaagttccct gacatggtcc acgctcttaa 180

gccgaaccca aaatctcaca tccaagagaa ctggagaatc 220

<210> 12134
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-G6

<400> 12134

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cgaccaatgg ccaaggagac gggacggggc taaatgcana agaaatgtgg ccagtggagg 120

tggggatgga gtatagagta tggaggagaa agctgatgac gccattggag ctgtgcttgg 180

agtgcaaatg ctgctcctcc accacttgtg ccaccatgcc ttgctgtttc ggcatcaatt 240

gccagcttcc caacaagcca tttggcgttt gtgcctttgt tcccaagtca tgccattgta 300

attcttgctc catttgactg tatttttgct tctaccaaca tgatgctata aactaanatt 360

cangnaagga ngaagcacan nnccnttgan gnatgggnnn accng 405

<210> 12135
<211> 254
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-086-Q1-E1-C8

<400> 12135

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ttcgaaaatg ggtgcgtaca antatgtanc tgagctaaga agnaaaaaat agtcctatgt 120

gataatgatt cctccanagg gttaggtgct gggagtacag acagcaacct tcgantgttc 180

gtctcgtcag gcctactcgt cctgataagg ctcgtcgttt gggttacaag gccaagcagg 240

gctttgttgt gtac 254

<210> 12136
<211> 200
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-086-Q1-E1-D1

<400> 12136

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gtatcgctcc ctcacagtcc ctgagctcac ccaatanatg tgggactcna agannatgnt 120

gtgtgctgca nagccaaggn acggacgcta cntcacaggc tctgccatgt tccgtggcaa 180

gatgagcaca naggaagntg 200

<210> 12137
<211> 197
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-D12

<400> 12137

gatgatcaaa gtggtgatag attgtcctct tttattatgg tattcttttc gaaattggtg 60

gaaaacagag acaatttata ggtcggtgac ttgcaagtcg tcgtttaaaa tgttaagaaa 120

aatcttgtac cattgttgtg ttatgtttcc tctttgagtg tctgtgtttt atctaagtct 180

tgagctataa gctgtgg 197

<210> 12138
<211> 224
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-D3

<400> 12138

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ccggcgattc caaatccgac accattctct actgcaacgg ccgctctgtc ttcatccgga 120

gcctccgcca actccaagac gtccaagttt acggcgaaca tggctatgct gttaccgttg 180

ctcgctactc tcccaacggc gaatggatcg cttccgctga tgtc 224

<210> 12139
<211> 210
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-E1

<400> 12139

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aaccaggagg aaggtcgccg acacaagaag ctaatgagcc accagttccg atttacattg 120

tgacggatcc gtttcaactt cctgctgatt tcctaaaccc ttctcctgaa aagaaattgg 180

ttatcggttt tgactgtgag ggtgttgacc 210

<210> 12140
<211> 194
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-E10

<400> 12140

aatactttgg gaactagcaa cattgagatt accatggaga ggaatgaacc caatgcaagt 60

agttggagca gttgggttcc agaatcggcg gcttgagatc cccaaggaac ttgatcctgt 120

ggtgggaagg atcatcctgg aatgttggca aacggatccg aatctgcggc cgtcatttgc 180

tcagctgacg gaag 194

<210> 12141
<211> 245
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-A1

<400> 12141

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atttgttcaa atgtgtaatg atgataatgg tgttggttgt ctcttgtggt gaagctgttt 120

ctggagctaa gttcgatgag ctttatcggt caagctgggc tatggatcat tgtgtcaacg 180

aaggcgaagt cacaaaactc aagcttgaca attactctgg agctgggttt gaatcaagaa 240

gcaaa 245

<210> 12142
<211> 283
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-A11

<400> 12142

tcgtcctcta aattgtcgaa aatgctggct aggctcgctg cgaagcgtct tctcgagatc 60

cgtcaagttt tccgtcaacc aacctctcag gtgactcgta gcttatcgac ggccttaaac 120

taccatctgg attctcctga taacaaaccc gatcttccat gggagttttc agaggctaac 180

caatctaagg ttaaggagat tctctcttac tatccatcca attacaagca gtccgcagtt 240

attcctctcc tagatcttgc acaacagcag aatggaggct ggc 283

<210> 12143
<211> 249
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-A3

<400> 12143

ttgatttgtt ttgtaactgt ttctctttct ctggagcttt cttcttcttc ttcaataatc 60

gatttaggtt tttcaaagct aagtgtttgt gttgtgataa tgactagtag cgaggaagta 120

gttgaagtga cggtggttaa agcacctgaa gctggcggag gaaagttatc acgtcggaag 180

attcggaaga aagacgccgg tgttgatggt ttggtgaagt gggagagatt tctcccgaaa 240

atcgcgctt 249

<210> 12144
<211> 242
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-A5

<400> 12144

ttgattttga tttcagtcta tgaagagaaa gaagaatatg tttgttcatt tcattctaga 60

tcctatttcg attagtgaga ctgcaacaga agcttctttt gctgctagat atggttgctt 120

ggtacttatt gaaaacgttg agagattgga tgttggtgca cttgtttcga taagaggcgc 180

gggtcgtgtg aagatttcga ggtttttagg ggcagatcct tacttgtccg gagaggtcag 240

at 242

<210> 12145
<211> 280
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-B11

<400> 12145

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atctcgtgtg acttgagatt tcttctcatc ccggcagctt tcatgttcat ctacatccag 180

atgaggcttt tccagacgca atcacagtat gcagatcgcc tcagttccgc tatcgaatct 240

gagaaccatt gcactagtca aatgcgaggc ctcatagata 280

<210> 12146
<211> 195
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-084-Q1-E1-B2

<400> 12146

gcgtcagcgg ncgcgtgggc ggacgcntgg gtgnnnaacc cgttaatctc tctctgtccc 60

tttcttcttc ttttttcaag aacaataaan aaatgtctca agattctgca actactactc 120

cgccgctacc tttaacctcc gacgtttcaa tgccttccgg tgaanaagat ganccatagc 180

atgttcatcg gaaga 195

<210> 12147
<211> 244
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-084-Q1-E1-B4

<400> 12147

aactgttgag ggattttcgc atgttatgtt tgcaactggt cgcaagccca acacaaagaa 60

cttagggttg gagaatgttg gcgttaaaat ggcgaaaaat ggagcaatag aggttgacga 120

atattcacag acatctgttc catccattcg gtcagtaaca tccccaacag cccagatgga 180

tggaacagat gtctgtgaat attcgtctgg gctgttgggg atgttactga ccgaatcant 240

ttga 244

<210> 12148
<211> 246
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-B5

<400> 12148

ttgcagaaag aggttataaa aggctccgaa atatttcatc cgaaccataa acttgttaac 60

acacctaaag aacaatgatg cagtaatggg aatgaataca cacgtccatt tgactgctgt 120

gatggaaagg attttataag caaatagtcg taaatactgg cggaagaaaa tgatatttta 180

cggctgaatc atcaccggag aatgagagga agatgttcgc ttacaggact ctgtttagga 240

ttgacc 246

<210> 12149

<211> 244
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-B7

<400> 12149

tggtctcata attctctcta tatcttttat cactttcgaa gattcctctt ctcgcccaca 60

aatcaaaatc atttcttttg ccgactaatt gaatttctta gaattcaaca tacgcaatga 120

aaatgttctc gtcacaaaga ttagactaat ccgactgtgt ttttaatcaa tcatcatttt 180

atttagggga gagaagttgt aaagttttga ttttttttc tgggtttttt ctgtgagacc 240

caga 244

<210> 12150
<211> 283
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-B9

<400> 12150

ttgccaattt tcttgtaaat tcacctcttt ccttcgtcta tctatcctcc cttccgcaac 60

attgattttg tttgatgatc gttgggtttt gaaagaagag caatgagcaa ttatgcagcc 120

ggactcggta agcctggctc aggtaaaagg agaatcagag atcttttaaa tcaacctgat 180

aaccgagtct gcgctgattg tggcgcttct gatcctaaat gggcatcagc aaatatcgga 240

gtattcattt gcttaaaatg ttgcggtgtg cacaggagcc tct 283

<210> 12151
<211> 67
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-084-Q1-E1-C10

<400> 12151

ngctctctca tnccttтcgt catctactct acacacaacc atcnctgcat tgaaatctcc 60

tcatcgg 67

<210> 12152
<211> 276
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-C11

<400> 12152

acttcgccag cgttattgtt aacaagaatc atcagattag tcgccgtaga tctgaatcaa 60

cgtcgtaaca gtagcagaat tttgcggtga aacgatggtt ttggttacgt ctgtgcgtga 120

ttacattaac cggatgcttc aggacatctc cggcatgaag gttctcatac tcgactccga 180

aacggttagc aatgtaagca ttgtgtattc acagtcagag ctgcttcaga aagaagtgtt 240

tctggtggag atgatagatt caatatctgt gtcaaa 276

<210> 12153
<211> 245
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-C2

<400> 12153

agtctcaaag gtatgactgc tcttgtgacc ggtggagcca gtggaatcgg ttatgccata 60

gtagaagagt tggctggttt tggagctagt atccatgtat gtgacatctc tgaagctaag 120

ctcaatcaaa gtttaagcga atgggaaaag aaaggttttc aagtaagtgg ctcagtttgt 180

gatgtagcct ctcgtcccga gagagaagaa ctgatgcaaa ccgtctcctc gcagttcgat 240

ggcaa 245

<210> 12154
<211> 251
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-084-Q1-E1-C3

<400> 12154

aatcacattt ttatataact gttaacataa taatctcagc ctcatcaaca cacatatata 60

gatagccaac atcacacaaa catagagatt ccaaaaaata aaaataanga aaacataaat 120

cctctgagga aaaattccga tgagatgaca gaaggtggag aatattctcc ggcgatgatg 180

tcagcagagc cattcttgac catgaagaag atgaagaaga gcaaccacaa caagaacaat 240

cagagaaggt t 251

<210> 12155
<211> 224
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-C6

<400> 12155

ggctcagacc caccaatacc aatttttaa agagatttct gtcacaagta agaaagaagc 60

actaattaca aaaaaaaaga aaaagaatca atcttttgtt cttcgattcg atttctaatc 120

aattagattg tttttgtttt gtttaacatc agttgcgaat cgagctggat tcttgggctc 180

gctttttctt tcaatcaaaa gtttcgatat tagtgaagga taac 224

<210> 12156
<211> 230
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-C8

<400> 12156

acaaaaaaac tcttttcttt ttgtctgctc gtttttcttt tcataatggg agccttggaa 60

gcagaaagag ccgccaacaa tgctacggcg ttagagacac agtcgtcacc ggaagatctc 120

ggtcaaccat ctcctctgcg taagatcatc tccgtcgctt caatcgccgc cggtgtacag 180

ttcgggtggg ccttacagct ttctcttctg actccttaca tacaactcct 230

<210> 12157
<211> 282
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-084-Q1-E1-C9

<400> 12157

cgagnccatt cacgatgatn aacagcttgg tanctccaat ttcgccgtcg tcctcgtaca 60

aatccccatg ttcancgaac ganaggttta taagctatca ataggagcgg cgtgtggact 120

ttcctggccg tccgatcgtc tcgtgattca agtgttanat gactctacag atcctactgt 180

taagcaaatg gtggaagtgg agtgtcaaag atgggcaagt aaaggaatca atattaggta 240

tcaaataana gagaatagan ttggttacaa agccggtgct tg 282

<210> 12158
<211> 232
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-D1

<400> 12158

caatttctcg ttttttttg tttatcatca aaagttttaa tctaaattac gtatcaaatt 60

ccgagcaaga tgactattct tgttgaacat tttgttcctg attcaagagt ggatgaaaag 120

aaagtgatag aggagaggga taatgaattg gtgttggatg gaggttttgt ggttccaaaa 180

tcaaaggaaa ctgatgcatt cgatgctcct gatatgaatt tcttgggcca tt 232

<210> 12159
<211> 279
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-D11

<400> 12159

ggaggctgat gatgaagctg tggaaacggg cttccggtgc tctcaaagac cggaaaacct 60

tgtttaccat cggcttctcc cggaaaacct ccttccgcaa ccctgacctt gattctgcca 120

tcatccacgc aacctctcac gatgactcat ctgtcgatta ccacaatgct caccgtgtct 180

acaaatggat ccggtcctct cccgccaatc tcaagccgct tgttcatgct ctttcatcta 240

gggttaaccg cacaagaagc tggattgtag ccttgaaag 279

<210> 12160
<211> 248
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-D3

<400> 12160

agatataact ttgcaccttc ttcgtttggt gcggtcagta aattagaagt atcaagtggt 60

ggtgataaag aacgggtctt taaatcattt ggattgattt atagcaaacc tcaaggttta 120

gtcagacttt attccgcaag agatgtgttt tcacggttct ttggcatcca caagctttct 180

tctatagctg atgctaaaga taaaggagat gaggtagtta gggaagagga gctgtctgaa 240

tcagagga 248

<210> 12161
<211> 63
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-084-Q1-E1-D4

<400> 12161

tttggtgttc ggtgaancca ctttttttt tgttaattcc tctgtttcct tggaattgtn 60

ttc 63

<210> 12162
<211> 233
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-D5

<400> 12162

ttctataata tatcaaccgt tacaaagttt taattacata aagctataac gttttgtctg 60

aattcgaaaa aaatggtgaa gttgttttag ccaccaccgg atttatagat ggcggcgtgg 120

aagtcatgga ttgtggcgga gaaagcacga agatgtttaa ggacgatgtt ctttgtggca 180

gcaatgacgg cgtctctgtt agcttcttca ttaccggttc tgatcacggt ggc 233

<210> 12163
<211> 224
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-D6

<400> 12163

ttgaaatcgt taatcgggtg tttacatgga gttgcttcaa tggagaaaga taacaaaacc 60

aagaatggtt tacatgtagg agaagaatca gatagagaga aaggaatgaa tttgcacatt 120

catattcctg atggtttacc aaaatctgaa caagagttgg aggaagaaga gaaatcgaaa 180

atgccggatt cagctttcac tagattgctt agaagtaaag gaac 224

<210> 12164
<211> 233
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-E1

<400> 12164

tcttaaaccc ctctccgatt ttgatttctg cttgaaattg ttttccccga gatctcaatt 60

tcgataatcg gaaaacgaaa aagatggttt ggtttcaatg cgaagactgt ggagagagtc 120

tgaagaagcc aaaggtcccg tctcacttca agatgtgcag agccaacaag ttatcgtgca 180

tcgattgtgg agaaatgttt gggagagata ctgtgcaagg acataaccaa tgc 233

<210> 12165
<211> 283
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-E11

<400> 12165

gcccacgcgt ccgctccgat gataccggtg ggaccttctt ctttcatatg cgccatcgga 60

ggctctgttg aggagaaatc aacggctgct tctctgccgc gttgggtttc ccttcgtcgt 120

cttcgtccgc ttgagtttct tcggatcggt ggtaagagag aggaaaaggg aacggtaaga 180

gacgacgacg ccgttttgtt ggagagaagg gaccggaacc gcaacgaaaa cgataacgga 240

aactgggttt tgaaaatttt ggaggttgga tcaatctgga aat 283

<210> 12166
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-H8

<400> 12166

accaccaata atgtcttctt ctccggcgat tcttcccgtc accaaccagc aagcagccac 60

tcaatctcaa cctccaatca attctcacgc cttccgtact ttcctctcac gcctctcgtc 120

ctctctccgc gaaagcctct ctcaacgccg tccatggcta gaactcgtag atnggagctc 180

cttcgctaga cctgactctc tcancgattc cttctcccgg atncgtaaga atctcgctta 240

cttnaaagtc aattactccg caattgtctc gttagtcctt gctttctccc tcctctcgca 300

tccattctcg cttctcgtcc tcctctctct cttangntcc tggatgtttc tctacctctt 360

ccgatnttca agattagcct ttggggtctc tttggg 396

<210> 12167
<211> 248
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-E8

<400> 12167

ggggaagagg gtatattctc tgttttgatt cgcttctgtc ttaacacatt gaaattttcc 60

atagaagatt ccattgtgct cttttaatcc tcttctcttt ctctctgttt taaatacctg 120

tctttaatcg cttctctcta tctctctctc ttgttaaatc tcatcggagt tcaatttcag 180

gactctcggc gctcttatga agtgattgtg aagatttgcg tacactaagc ctttgcttca 240

gaaagtta 248

<210> 12168
<211> 66
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-F6

<400> 12168

ggtacngatc tgaccgtntc aagtacttgg gtcaagtctc tggcgatnca ccgatctatg 60

ttatcg 66

<210> 12169
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-F7

<400> 12169

tctgctcacc aacgtctctt tcctcctcct tcgctctctc ttctgctctt ttagtccctc 60

gttcgttctc catgccaggg acaaggagat tcatggttct gtgtagttcc cagaaggaaa 120

gtcagatgac agtgtcagta actggagcaa ctggattcat agggagacga ttggttcaga 180

gacttcgtgc tgataaccac gctatccggg tcttaacacg ctctaaatcc aaagctgagc 240

aaatatttcc tgccaaggac ttcccaggta ttgtgattgc anaagaatcg gagtggaaga 300

actgtgtaca aggctctact gctgttgtga acttggcagg actgcctatt aagtacaagg 360

tgggtctccc gaagatnaag aaagagatta ac 392

<210> 12170
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-F8

<400> 12170

gcttcttctc tcatctccgt ctctcagaga gtgtacactt ctccttctgc ttccgtcatg 60

ctcgagtacc gttgcagctc cgttgactgg aaaccatcac cggtggtagc cctagctaac 120

agctccgacg actctcaagt cgccgccgct cgcgaggacg gttctcttga aatctggctc 180

gtctcccccg gcgccgtcgg atggcactgt caactcacta tccatggcga tccaaattcg 240

agaatctcgt ctcttgcgtg gtgctgttct ccttctatag ggcttccttc tggtcggtta 300

ttctcctcta gcatcgatgg ctctatttct gaatggggat cttttcgatt tgaagcagaa 360

gattgtgctt gagtcnannt ggaatctcga atatgggcaa aatggg 406

<210> 12171
<211> 379
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-G1

<400> 12171

agagagtcaa tgatgaggca tgccgatcaa gacaagatga tcctagagcc aatttctgca 60

aaaccgatga taccgatgat gtctggtaca agaaaatgga ggcatgtatt acaccgtatc 120

cggagacaag tagctcagat gaagtagctg gtggtgagct tcaggctttc ccagataggc 180

tcaatgcagt gccgcccang atctctagcg gttcgatctc tgggtgttac tgttgatgcc 240

tatgaagacg ataacagaca gtggaaaaaa catgtgaaag cctacaagag aatcaacagt 300

ctacttgaca ctggaaggta ccgtaacatc atgggacatg aacgcaaggt ttggtggatt 360

tgctgctgct cctgaatcg 379

<210> 12172
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-G10

<400> 12172

tattccaaaa tttggtgaaa gcaacgccta aagcaaaaat gtctcttctc taacctttt 60

ttttttttt tttttttgct ctccaacttt cccttcattt tctggggaaa agcgagccaa 120

agaacgcaaa agcaatccac aagaagcaat tgttcgatat caatggggaa gaacaataag 180

atcggaagcg ttgttcggat ccgtcagatg cttaaacaat ggcagaaaaa agctcacatc 240

ggatctanca acaacgatcc tgtttccgat gtacctcctg gtcacgttgc tgtttccgtc 300

ggtgagaatc gtcggagata cgttgtccgt gctaagcatt tgaaccatcc gattttccga 360

cggcttctag ctgaggctga ggaaga 386

<210> 12173
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-083-Q1-E1-G2

<400> 12173

aatatcacag caaaaatttt ctcgagaaaa tccgaagaag acaaaaaaaa tggcggatca 60

gctaaccgat gaccagatct ccgagttcaa ggaagctttt agcctattcg acaaagacgg 120

agatggttgt atcaccacaa aggagcttgg gactgtgatg agatcacttg ggcagaaccc 180

gacagaagcc gagctccagg acatgatcaa cgaagtggat gcagacggga acgggacaat 240

agatttccca gagttcctga acctaatggc acgtaagatg aaagacactg attcagagga 300

agagcttaag gaagccttca gggtttttga caaggaccaa gaacggtttc atctcggcgg 360

ctgagcttcg tcacgtgatg acaaatcttg gggagaagtt gacgg 405

<210> 12174
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-G3

<400> 12174

gcnnacncgt ccgcggacnc ttgggaatct ccacattctg aggcatcaat cgtgaatggt 60

agtatcnatt tgaatggcag tggtgaaacc annacaaaga atatagtcat gtcgtctgat 120

tcagacagtt tcatcggtgt gcttgaggtt tttgttcacc aagctaggga catccacaac 180

atctgtntct atcataaagc angatgtgta tgctaaagct ttgtctcaca aatgatnccc 240

gaaaaactcc ttgtccacaa aagatnatca aatgggtggg aggggcaaaa aaccctgtcn 300

tccnacgata acccttcaag ttcgaccgtt taaagaacct gggattgttc nccttaaggt 360

gtgangatat ttatgatgaa gccgcgtgaa agaaattatc cntgaaggat taagttaact 420

tgggagtccc cctg 434

<210> 12175
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-G6

<400> 12175

aagcaccgat acgacgattg agacttagtt ttgctcagat tcatttaacc accggcgcca 60

agtgacgacg acgacggagg gagcagattc gaattgtgtg aagacagcaa tggagtctac 120

tgagtcatat gcggcaggtt caccggaaga gctggctaag agatcccctg aaccgcatga 180

ttcttccgaa gctgattctg ctgagaagcc aacacacatt cggtttcttg tatccaatgc 240

ggcagctggt tccgtcattg ggaaangtgg ctcgaccatc actgaatttc angcaaagtc 300

tggggcaagg attcagcttt cacgtaatca agagtttttc ccggggacga ctgacagant 360

tattaangat atcgggatna atcanaggaa ntngtgg 397

<210> 12176
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-G7

<400> 12176

tctatctgca acaaaaatgg ctaatcgttt cagatcaggg atctccttct tcaagaccat 60

cgccgtaaca gattctgtct cctccgttag atccaagtcg cttttcccag cgttgagaac 120

ttatgcaact gcttctgctc aaacaaccgc taatgttaag gtgcctattg ctttagttgg 180

tgaaaatggg aactttgctt catggctata cattgcanct gtgaaaatga attccttgga 240

aaagattgan annggttntt ccgaaangan tnnaggaatn aagacanctc cnaattttgc 300

ccaatttana aanggttcct ccggtcctaa aagggacaag attggctgct aattaaggat 360

gcctgtgatc aagcaaagtt gg 382

<210> 12177
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-G8

<400> 12177

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tatgttgttt ttgagttgat ggagtctgat cttcaccacg ttcttaaggt aaatgacgac 120

ctcactcctc agcatcatca attcttcttg taccaacttc ttcgtggctt aaaattcatg 180

cactcagctc atgtgttcca tagagatctg aagcctaaga acatcctcgc taatgctgat 240

tgcaaaatca agatctgtga tttaggactt gctcgtgtct cctttactga ttccccttct 300

gctgtgtttt ggactgacta cgttgctaca agatggtacc gtgcgccaag agctccgtgg 360

ttccttccaa tccaactaan acgcgg 386

<210> 12178
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-H10

<400> 12178

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aaattatgag caacgttatc ggcgatcgca ctgaagacgg cctttccacc gccgctgcgg 120

cctctggctc tacggctgtc cagagttctc ctcccactga tcgtcctgtc cgcgtctacg 180

ccgatgggat ctacgatctt ttccactttg gtcatgctcg atctctcgaa caagccaaat 240

tagcgtttcc aaacaacact taccttcctg ttggatgttg caatgatnag actanccata 300

agtacaaggg aaggactgna atgactgcan aagancgata tgaatcactt cnaaattgca 360

aagtgggtng atgaagtcat ccctgaangc a 391

<210> 12179
<211> 373
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-H11

<400> 12179

gaagttatct caggcggtca atgctgcttc ccaacagctt caatgtgctg ctcctactaa 60

aaaagagcgg cctgacatgg aagctgttgg gaagcagctt tgggctataa gatcaagtta 120

tctcaggcgg tcaatggaat aagacaagtg ttcacacgtt acaaccacca aaatgctata 180

gtctctctgt tgttagataa tatcacctct tttacatttt gctatccaac cacttcttct 240

tcagatttga aatgagatgt cttattcatg acttcagatt ctcgaatgac gcatgtaact 300

atgtgcattc attaaaaaaa aaaaaagnna naanaacgna angaaaaant gnaannnaan 360

aannagnann ana 373

<210> 12180
<211> 68
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-H12

<400> 12180

gtcttcnaca atggagccat anaggtagtt gaatctggag gtcttctcat cggcgaatcn 60

tgtttttcc 68

<210> 12181
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-H2

<400> 12181

ggagcgttca ttgagatttg taactccggg aaatgcggac ttttcggctc aggaggactc 60

attatgttcg atgtgagtca tgtagaggtt aggtaccacg cagcagatat aatcccagtc 120

acattgattg gagtctttgg tggcattctt ggaagcttgt acaatcatct tctgcataaa 180

gttctccggc tttacaatct catcaaccag aagggaaaga ttcataaggt gcttctaagt 240

cttggggtat ctctattcac atcaagtttg cttgttcggt cttcctttct tagcggaatg 300

caagccttgt gatccttcta tagacgagat atgtccaaca aacggaagat naggaaattt 360

caagcaattc aactgtccaa atggttatta caacgatcta tccactcg 408

<210> 12182
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-H3

<400> 12182

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acgatgacan ccataaccng cagcnggccn caacgtcncg actccacgag tggtcgttcg 120

acctgtggct cgtgtattag gtccggtccg gttgaattac ccgtggaaat tcggttcgat 180

tgaagcggat gggttgtggt taangctaca tcnggaagga gagatatcgg agaaggtgga 240

gaagagtata caagaagcta agggagacat gcgctgatga tccggtgaac ggggaatgtg 300

tagcggcttg ggacgaggtg gaggagctga agtgcggcgg ccagtcatgc taagggacaa 360

gaagaaagct ggtggctccc gattctttgg gaaagantat tgcaaatgaa taatcctgan 420

aactgatgaa tgtcgtactt atgataanta aaaaatatgt ttttgnngtt cgaattt 477

<210> 12183
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-H4

<400> 12183

gtannttggt agccctgaan gtagcaatcc ngggtngccc cacccnnccg gaaattgcnc 60

anggcggctn tnattgaacc nanttggacc gatcnacaaa agatatgtag tcagggagat 120

ttatcggtta tgtcgggttt aggaccattt ggtttgatgg ttttggcatc caatgacatg 180

gaagagtaca cgtccgttta cttcagaatt ttcaagtcaa atgacgatac taacaagaag 240

actaaatacg tggtgttgat gtgcagtgac caaagcagat catcgttaaa tgatgaaaat 300

gataaatcaa cctttggtgc ttttgttgcg atagaccctt ctcaccaaac aatttctctt 360

aggactttga ttgatcactc gatagtggag agttatggtg gaggaggcag aacatgtnta 420

acctcaagag tgtatccaaa attggcaatc cggagnaag 459

<210> 12184
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-H7

<400> 12184

aatctcaacc gtccgatcaa acaacttaca caacttccgt gctggagaaa taaaaaaatt 60

aggtatttaa taattcatca ttgccattgg attgtgtgtg gctgcgtcag taaaacgtat 120

tcttaaaagc aaccattggt gtgattgact ctataagaga attcgtcagc gtgaagcant 180

ctccaatcta atcgcagcat atcttctccg attcctattc gtctctgcaa ttgaatcttc 240

cggtaggcga agatggcgac gtctgcgang atttgttgcg gaggaggaag tgcatgcgcc 300

cgttcgttgt ngatcgtcgc acgttaaatt tgnagntcnc gatcgtcatg tgttgntcca 360

gtgacgantc gncggatatn atgtgtgcga tcgggaagat c 401

<210> 12185
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-083-Q1-E1-F4

<400> 12185

gctttggaga aactgcatca atggcgttga gattgacatc gctaaaacgc gccgcggttg 60

agtcctgtcg cattttggaa acccgaagct taagtcatgt cgctgcgatg ccttcccccc 120

tgaacggagc ttttgatcgc ccgatttcta tgccgccgct ggttttacct gagttcgatc 180

agaatcaacc gggtttgatc gaagaaaaga gcttcgggtt cgggcttcct agttttgctt 240

ttaatggatc catggagcta atggctgtgc ctaagaagaa gatttctaaa cacaagagag 300

ggataagaaa tggtccaaag gctcttaagc ctgttcctgt gatcatccgt tgcaagagtt 360

gcgggcgaat caagctgcca catttcttcc gttgcagcgg tgaagg 406

<210> 12186
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-C4

<400> 12186

ttggtagnnt gcagccgcaa atccggaatc ccgggtngcc ccacnagtcc gcacttcctc 60

tggctccggc gaaaaacccc ttttcgattt cattgataaa acgcaaatcg atctctcgtg 120

tggaagaaga agaanaacac gatgggaaca atgggtaaag cattcnacag cgtaggattc 180

tggatccgtg aaactggtca agcacttgat cggctcggtt gtcgcctcca agggaaaaat 240

catttccgag aacagctatc anggnaccgc acactcatga atgtttttga caaaacccct 300

aatgtggata agggggcttt tgtggctcct aacgcttctc tctccgggtg atgtccatgt 360

gggaaaangt tcttccattt ggtatggang tgtcttgaga ngagatgcta acagcattag 420

tgtngganct ggggaaccaa tattcaagga caacgccg 458

<210> 12187
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-C5

<400> 12187

agcttcccct accaatttga cgacaagaag ctgtgaatct tctcaattgt gtttcggaat 60

cgaaattcga tcaagagaaa tgtctaattc tactgcaatc tctctgagaa tgtgttctat 120

ctaagaaagt aaaaaagttt tcagtaccaa gtgaagaaga ccataaacaa gttggagcag 180

cttgattgag caagaaacct tgataacgtt attacgctga ttcagtccta agctatgtac 240

aatgataaag catttcaaag attacttttg tgaacattca acaaaaaacg atgcatttaa 300

agtttttaaa aagaaaaacg aagatttttc ttaaaaaaaa annanggana gnnngggaga 360

nnggggaang nnngngnggg 380

<210> 12188
<211> 229
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-C6

<400> 12188

ggagagagag agagagagag ataaagggtc gataaggtct ttttccgttt ccttgacctc 60

tctgggattt ggatttcgat ttggatttcg atttcctcat ctcatcgatt tgcttctcaa 120

tctctccaat tcgattctcc tctggaaatt tcaatccttt ttatattttc cttggtgatt 180

tcnaagataa ttaagattna aaaaagggga antttnnnaa aaaaannaa 229

<210> 12189
<211> 387
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-C9

<400> 12189

gttgctatcg tctctctctc tcgggtcaaa attagggttt cgtttcacta tccagagtgt 60

atacaaaggt tgttgtggag cttttatcag atcacaggaa taagatggag gtatttggaa 120

aatctcccat ggttgttaca tctgccaatg ttatttactt gtctgcaatt ctgggtcgcg 180

attgcgatgg acacaaatgt gattggaaat gtgagaatga aaatgtttgt gggaatatgt 240

atcgctgcaa actaactgga ctaactcatg tctgcgacaa gaactgtaac cagcggattc 300

tctatgataa ccatanctct ttgtgccgan ccaagtggga ggattttccc tctctcgtcc 360

gtcgaggagc aagcggttaa aggtgtt 387

<210> 12190
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-D2

<400> 12190

caagctccaa tggcgagagt tctagtctcg tctccatctt cattcttcgg ttcaccgttg 60

attaaaccgt cgtcatctct ccgtcacagt ggagtaggag gaggaggaac cgctcaattt 120

cttccatacc ggagtaataa taacaaactc ttcactactt caaccaccgt acgattcagc 180

ttaaacgaga ttcctccttt ccatggcttg gnttcatctg tagacatcgg agcgattttc 240

accaagagct gaatctcttc tcctaataca aataagctgg acgccgnccg tttgtttggt 300

ggctgaattc cgtcgtaaac tactgattca tccgccgtgc agaagagtgg tggttgggtt 360

tggttttatc tccgatgcta tgggaattgg ttcttaanga ttttgaagg 409

<210> 12191
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-D5

<400> 12191

cgtcttcact tccgccatga gaaaaacctg cacacacgcc tgaaaaacca aatcatcctc 60

atcatcttct gatctaatgt ctaccgacac tatcccttcc ctctcatctc caccggcgcc 120

ggagtttcct tccaccacac cagacacggc gacgtcacca gctccgtctc agccatccat 180

catcggacct tcttcgttgg ctccgtttcc ggagacaaca acaaacattg atggaggctc 240

gagaaatgta gcattaactg gacttattac tggagtagtt ctcggagcta cgtttgtcct 300

actcggagtt tgtatctttg tctgtttcta taanagaaag aagaggaagt taangaagaa 360

gaagaaagan gatatcaagg cttctatnac aggngang 398

<210> 12192
<211> 53
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-D6

<400> 12192

gacttcgctg gnaaatgctc cgacgccgcc aagatcgtcg gttttgctcn aac 53

<210> 12193
<211> 385
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-D8

<400> 12193

ctctgttgtt tcgtgccctg agaaaccttg aagcagccat ggctcccaaa tcgaaagaaa 60

accccaaaac ctcgactcca gcaatcgaag atctcttcac ttccctccac aaacatatca 120

aggatactaa atatgaagaa gccgtcaagg tcgctgatca agttttgtcg attgtaccta 180

ccgatgagga tgcgatccga tgcaaagttg tggctctgat aaaagacgat aagttcgatg 240

attatctaat caaagacgtt aagatcaatg gtgctctctc cgtcattaac tcgtttccaa 300

tcgatctagg ttttcacaag gcgtattgtt tataccgtga aaacaagtta gatgaggctt 360

tggtgtgttt aaaangtctc gaang 385

<210> 12194
<211> 377
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-D9

<400> 12194

tttttctctc ttgtgaattc gtttattgtt gtatcgtcgg cccgagttta tcggaactcc 60

gggtctgacg tgagttttcc aaatggcggc gtcagagaga tcgattgaca aagaagtcga 120

catgggttct tcctttcttc aaaaattcag gctttacgag acccgctcga gcttctatat 180

gattggaaga gataaaaatc gaacgtcttg gagggtcctg aagttagata ggacagagcc 240

aagcagaggt caatatctac gaagattcaa cggcttacac agaagctgaa tgctttgaaa 300

ctttgagaag gatacacgaa gggaaacaga tnatctggtg gtttgaaatt tgtcancacc 360

tgctacggga tcatcgg 377

<210> 12195
<211> 376
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-E10

<400> 12195

tcttctctaa taattgaaag caaaagaaaa cagtttttt tttttagaaa ggtaaagaaa 60

tggaggaaac aaaggagaga aagatagtag tagcagtaga cgaaagcgaa gagagcatgg 120

aagctctgtc atggagtctt gacaatcttt ttccatatgg ttccaataat acactcatcc 180

tcctctacgt caagcccccc cttcccgttt actcttccct cgatgccgca gggtttatag 240

tgacaggaga cccggttgca gctttgaaga agtatgaata cgagctcgtg gaatcggtca 300

tggctcggtc tcnaacngtg tacaangatn atnatncgga natnaanata aaanaacaat 360

ttggaaaagn aaatnc 376

<210> 12196
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-083-Q1-E1-E12

<400> 12196

gcggacgcgt gggtttgtgg cggctcgtct tcttcttctt cttccacggg actctctctg 60

aatcggtgat tttcgatctt cctagggttt cgatctgaaa ccttgcgatc tacttgaaag 120

agagattcag aaatttccaa gtaataataa tgtttgcgcc tgcgactcaa ccgcaacagc 180

aacatgagca gaagaagcaa tcagagactg tttcatctgc tgaagaagat gctttgaagt 240

ggaacaccga ttgcgtttac tttctcgctt ctcctttaac ctgcaagaag ggacctgaat 300

gcgagtatcg ccacagtgag tatgcgcgta tgaacccgag ggattgctat tattggttga 360

atggaaactg tttgaatccc aaatgtgga 389

<210> 12197
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-E2

<400> 12197

ggnanacggt gaagatggna ntgagacaaa aagcaatggc gacgttgccg aaactgattc 60

aaagcatgag aaacgaagtt acgaagcagc ccagtcttgt cttaccatct ctcagaagag 120

ctttctctct ctacgatcag atcaatctca tcgataacgt tcctgaggat cagctccgat 180

ttcaggagtt tgatgagacg agtttcactg tgaatggggt taaatacgaa ggaagcttgc 240

tctgtgttgg gaatttgcta atgtcatgga gcccctcgtt acttctccga catcacaacg 300

gatagcttgt caatcttcca gacggttcga ccaaattcca gagctcttga ttgtcnggtg 360

tggaagatac aaccacccac tggaaatccc caaagtccgt cagttcgtag 410

<210> 12198
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-E5

<400> 12198

naattatatt caagagaana aggaaaaaat gaatttcatc tccgatcagg taaagaaact 60

ctcaagctca acaccagagg anccagacca caacaagcca gtcgaaggaa ccgaaacagc 120

tacaatcacc agctactaac gccgagctca tggcaagtgc caangttgta nctgaagctg 180

ctcaagcngc anctcgtaac gaatcanaca aactcgacaa gggtaaagtc gccggagcct 240

ctgctgatat cttaagacgc tgccgagaaa tacggtaagt tcnatgaaaa nagtagnact 300

ggtcagtacc tctacaatgc tgaaaagtat ctcnacnact acnaagtcgt cacactccac 360

cggttgctgg tggtcctcnt cctncgacga ntcaagggtg agg 403

<210> 12199
<211> 361
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-E8

<400> 12199

tgattattaa ccttttggct actagcctcc ctaagagcgc aactttcttc ctgacctacg 60

ttgctctcaa gttctttatc ggttatggcc ttgagctgtc tcggatcata cctttgataa 120

tcttccacct gaaaaagaag tatctctgca aaaccgaanc ggaggtcaaa gaagcttggt 180

acncgggaga cttaagctat gcgagnaggg ttcccggaga catgctcatc gtcacagtca 240

cgttcngcga ttcantcatt gctcctctta tcctcatant cggcatcanc tactttgngt 300

ttaggctggn gangtcctca agaatcaggc gtttgaaagt ntacngttcc atcagnggag 360

a 361

<210> 12200
<211> 408
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-F1

<400> 12200

taatagaaaa agccctaact ttctccgtcg atggctttct tcttctactt tttcttcctc 60

ttgactcttt cttctccttc ttcttctgct tcctcttcaa actccttgac ttacatcgtc 120

cacgtcgacc acgaagctaa accctcaatc ttccccactc attttcactg ggtacacttc 180

ctctcttgcn tcactcacct cttctcctcc ctccattatc cacacatacg acaccgtttt 240

ccatggcttc tccgctaaga ctcanttcac aagacgctaa gtcaactctt agaccatccn 300

tcatgtcatc tctgttatcc cggaacaagt ccgtcacttg cacacnactc gttcccctga 360

agtttcttgg gtcttaggtc naacggacaa agcggggtct actncgng 408

<210> 12201
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-F11

<400> 12201

aagaagatcg tagtagcccg ataatgaagc tacgattgag acatcacgag acgagagaaa 60

ccctaaaact tgaattggcc gatgcagaca ctctccatga tctccggcga cggatcaacc 120

ccacggtgcc ttcctccgtt catctctcgc tcaatcgtaa agacgagctc atcacgcctt 180

cgccggagga tacgctccga tctcttggtt taatatccgg tgacctaatt tacttctctc 240

tcgaggctgg cgaatcttcg aattggaaat tgagaaaatc tgaaaccgtt acttcctcaa 300

tccggagaat natnaagaca agtngttaat gattccgatt tggggttcgc aaaaggttga 360

tgttgtcccc gattaaagcg aaaatctaat 390

<210> 12202
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-F3

<400> 12202

aagtcttggt ggaccagaac gtaacggaag tgttacaatt gttggtgcag tttcgcctcc 60

tggaggagac ttttcagatc ctgtgacttc agcaaccctt agtattgtgc aggtcttctg 120

gggtttggac aaaaagcttg cccaagagaa aacattttcc ctctgttaat tggttgattt 180

cttactcaaa gtattcaacg gcactggaat ccttctatga gaaattcgat tcaagatttc 240

atcaaacatc aaggacaaaa ggccaagaag aaggtgtttg caagaaggga aagacgatct 300

aatgaaattg gtccaacctt gtaaggaaaa agatgccgcc taacaagaaa gggggacaaa 360

atcacattgg gaaacagcta aagctattga agggaaaant ancettgctc aaaaacgcgt 420

ttg 423

<210> 12203
<211> 372
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-083-Q1-E1-C11

<400> 12203

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agttacttgt tgttgctttg tcgttcaagg ctacggtcta acggagacac ttggaggaac 180

ggctttgggt ttcccggacg agatgtgtat gctagggaca gtcggtattc cagcggttta 240

caacgagata cggcttgaag aggtgtctga aatgggctat gacccgctcg gagaaaatcc 300

ggcaggagag atctgtataa gaggacaatg tatgttttca gggtattaca agaaccctga 360

actcactgaa ga 372

<210> 12204
<211> 54
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-B9

<400> 12204

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<210> 12205
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-C10

<400> 12205

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tttatctctc cgacgtaacc atggatagcg atactctctc aggattattg gaaaacgtcg 120

ccaaaaaatt ccccgatcgc cgagctctct ccgtttctgg aaaattcaat ctcactcacg 180

cgcgtcttca cgatctaatc gaacgcgccg cttcacgcct tgtctccgac gctgggatca 240

aacccggcga tgtcgttgct ctcaccttcc ctaacaccgt cgagtttgtt ataatgtttt 300

tagcggtgat aagagctaga gccacggcgg cgccgttgaa cgcagcgtac acggcggagg 360

aatttgagtt ttacctctcc gattcagatt caaaggctat tgttaacctc taaagaagga 420

aacgcaccgg ctcaagaagc ancttcaaag c 451

<210> 12206
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-C3

<400> 12206

ttttcatcgt tgatcagtcg tcgatcctct tgagtgattt gattttagac tttctagtta 60

tcaaactcga aagatggatt ctgtccttgt agtgggcatt gcatcggtta ttctcggtgc 120

gttgatcgct gtactcttct tcggtagcta cttccggaag cggacatcgg aggtgcaatc 180

catggccaaa gcggagcctc aggatccgat ccggaatcca aagtcgaatc atcctgctcc 240

gaagaagaat catcccaaat ctcaagcgtc cgataagaat cagaacaaac ggcatcatcc 300

tttagattta aacacgttga aaggccacgg tgatgctgtt actgggactc tgtttctcgt 360

cccgatggan aagagcctgg ccacagcctt gcgcctgatg gg 402

<210> 12207
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-082-Q1-E1-C4

<400> 12207

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tgaagaccac cgatttggtc ctggagaaga atggtgagga aggagttgtc tgaatgatta 120

tttgtgccga tggttagatc aggttgtgga catggaggat aataatggca gagcaaaagc 180

aaacccttca tgcaatccat gcttttaagc ttatcaagat ctcaaaccaa gagcttctga 240

gagaagctca aagagcaaat cacctaatct catcatatgc tttgagtatt cgaacatagc 300

aaccctgagc caatatttca taagatcgct caacggttca taagatttct caatgaaaaa 360

ccgtaagtta cttacctgca aggccacagg ggagattct 399

<210> 12208
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-C5

<400> 12208

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ctacaaagca ttcaaatgga tgcgtacata tcccgaaagg aaattatgaa ggcagagtct 120

agattttggt tanaagtagt agagagttat gtgcgggttt tccgctggaa ggagttcaaa 180

ctgaggaatg ttctggacat gagagctggt tttggagggt ttgcancagc attaaacgat 240

ctggggcttg actgttgggt tatgaacatt gttcccgtta gcggnttcaa caccttgcca 300

gttatttatg accgtggact acaaggggct atgcacgant gggtggtgag ccatttgaca 360

cctacccaag aacctatgnt ctgatacnat gctgt 395

<210> 12209
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-C6

<400> 12209

ttttcacca atttctctcc acttaaaacc aaccccaatt ctcaccaaaa atcgcaaaaa 60

agatttcaac tttcgataaa cccagatcga aaaatcagat ttttccagat caatcagaga 120

gttagagatg gagtataata acaacaatca gcaatctttt tggcagttca gcgaccagct 180

gagagttcag acaccgaatc tagcgaatct gtctctcaac gactcgatct ggagcacaaa 240

ctctgtcttc aaagagcgtc gaaacttaga catagccgcc accaccgaca agaacaacaa 300

ccagatcgac tattatcaga aggaagacaa cttccgacaa catcaattcc aactgggact 360

ggaagtcntc tgggttcaaa caacgacag 389

<210> 12210
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-C7

<400> 12210

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cgtccgctgg gaatcgacaa gcaaagatgc atcantttgc tgcaacggta acgagttgca 120

aacccccctga accttataag ggcaaaggca taatgtacac tgatgaagtc gtcaagaaga 180

aacaangaaa gaagtccaaa tgatctctct ttgtatgctt cttcntcctt cntactctgc 240

agagacaact ttcatctatc tgtggtagat tatggttgga tttttatcaa taantttttan 300

ttggttgtat gagacatcat tttgttgtta agtctctttc antgaaacaa aatgaagaaa 360

ganttcgtct tggaaangna aaatcgctgn gtngnaaggg gnncaaaa 408

<210> 12211
<211> 376
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-C8

<400> 12211

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ctggttgaat cgtcacttta tagatcatta gccaatttaa gctattaaag ttttaaactt 120

tttcttctga ttcgttgaac gtcattgtcc aattcagacc actttactga tttgatcaga 180

gagaattgtc tttcttcaaa gtaatttttct acactgatct cattgattac gtcactctct 240

ctattgatgt ttctttctcn tnatattggc cttaagtttc tttgttaaac ctctccantt 300

gangatatgg ggggaactaa aacnggagtc atcaattcng actaagagac ttgggaaaga 360

aggttcctgg aaaaga 376

<210> 12212
<211> 314
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-C9

<400> 12212

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ttactcgcta catttgcgta agatgacgct gcctcatttt tttttcatat tcnattgaca 120

taattaatat tcttgtgtgt ttatctcant tgccaggagc attataagga tcttagtgct 180

aaatcattct ttcctaacct gattgagtac atcacttcag gtccagttgt gtgtatggta 240

tgggtataac tangctctaa tttgattttt acttgttntc anggttgtag ttagangant 300

taantgcatg tnat 314

<210> 12213
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-D1

<400> 12213

gccacaacgt cactttcttc ccggataatt gaaatcggtg atcggaatcc ctagaaatgt 60

cggataatcg tgcactccga cgagctcatg ttctcgccaa tcacatactc caatcaaatc 120

ctccatcttc gaacccgtcc ctgtcgcgcg agttatgttt gcagtactct ccaccggagc 180

tcaacgagag ctatggattc gatgtcaagg agatgagaaa attacttgac ggacacaacg 240

tggtggatcg ggactgggat ttatggactc atgatgcaga gcantctgtt taatcgggag 300

ggagagagga gggtaagatt ttccgtgtcg ccgggattac aatcagacga tgggagcagc 360

aagcgntgng atcacaatga aaacgggatc tgggtacttt gcttgagaaa tggggg 416

<210> 12214
<211> 141
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-D10

<400> 12214

ctaggaactc ctcattgcan tctcctcnac tgaggaatct acagagccat nggttgcgng 60

atttcgggtt tgcatcatta tctccatnat actgattcac cgagccacgc aatgtgtcac 120

acacaagtca aatggnaacc g 141

<210> 12215
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-D12

<400> 12215

gaanattgtt cnatgttcct gaaatgggat taaacgagca acaaaatgtt ccaagtcaga 60

ggaagatcat agtttttata gtcttagctt ttataccaat agctctgttt cgactctgtt 120

ttaataatcc attctcctcc attaaagaca cctctcttca agactctgca gctaacgttg 180

tgatcactag cttctcttca tcttctcaag aagaagaaag ccaagagagt tttgatcata 240

tacaagatga acctttatgc gattatacgc aagggaactg ggtcagagac gagattggtc 300

cactctacaa tggttcaaca tgtggaacaa tcaaggatgg tcagaattgt ttccgccatg 360

gtagacctga ttccggttat ctttactggg aaatggaaa 399

<210> 12216

<211> 198
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-D3

<400> 12216

gacncacttc nanatcgaag taaaacccga cgattcggtt gttgatgtga agaagaanat 60

agagagtgtg cagggcgcat atgtgtancc tgctgcaaaa cagatgccta ttcaccaagg 120

taaagtgctt aaagatgaga cnacctattg nngaaaacac agttgctgaa gaacagtttt 180

attgtcntta gtnatgaa 198

<210> 12217
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-D4

<400> 12217

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aggagccatt ggggctcagt tcgctttctt gcttcccacg ggaacaccct ctaacgtcgt 120

tgggttcacg acagggcata tagagatcaa agacatgatc aagacaggct tgcctctcaa 180

gatcgctgga accatctttc tctccatctt gatgcccact cttggggctt acgtttttgc 240

atcaatggga ggagtttaat tctacaagcc aagcacaaga ccatgtncac aaattgattt 300

attgtaccaa tattgtttac tacccgtaat acatatgtag atatataagt caatgggaat 360

gggaaatttt agaatgangt caaaaaaaaa aaanaaaaag ag 402

<210> 12218
<211> 378
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-D5

<400> 12218

caccaccaaa gagaaaaaca gttctttaga gagcatcaaa gctccgagga agagagagag 60

agacgctatg gaagcattga actaacacaa ctctaaattt ctaatttacg gtttgtttta 120

gttctataca ttatggggaa gtctacaaaa tggttgaaga atgtattgct tgggaaaaaa 180

acttctaaat ctagtggttc caaagacaaa gagagagttg tgagtggaaa agaggtactg 240

gttacttcaa aggtggaaga atcagatgtg gtatcagatc ttccatcttt tgaagttgca 300

agagaccaat accgttgata gaagtggtgg tatgttagag actcaaaatg tangacctga 360

aagagatctc aagatgat 378

<210> 12219
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-D6

<400> 12219

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accagctgta tcgtctctaa tacccagaaa gacttcttct tcattgtcat gccttagcaa 120

cagagattta tcgtctcctt ataattgctg ttggcgacta tccagaggca aaattttgac 180

ttctctcagt aactcacgga aatttgctgt gggaaaggaa gcagaagatg ggtttctatc 240

gaatgtgagc gaagatactg atgagatgtt cgacgacttg ttcaacaaat atgggaaggt 300

tgtttttaga agcactgatg ttaagtctcc aacagctgag gttgacgatg atgcaanaag 360

tttancattt gccngttgaa ttggnt 386

<210> 12220
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-082-Q1-E1-D7

<400> 12220

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cagatctccg atctagagcc tttcgcttct cctcttctgt tcatataaca actgaataat 120

gtcgatctcc gcccaaaatc cggatatttc cggcgataga caatccggcc aagatgttcg 180

tactcagaac gtgatggctt gtcaagctgt ttctaatatt gttaagacct cacttggtcc 240

cgtcggcctc gacaagatgt tggtggatga tattggtgat gtgactatta caaatgatgg 300

tgctactatt cttaggatgt tggaggtcga gcaccctgct gctaaggttc ttgtcgagtt 360

agctgaactt caagatagag aagtcggtga tgg 393

<210> 12221
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-B7

<400> 12221

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gagtgagtga tgattcaact ttcagtttac tcggagcaaa gctaaggaga tcgacgagtg 180

ttccttacta cgcaccatct ataaagcttg gagctggtgg tgttccgacc attcttgagg 240

agcttcctcg tcagaaatca nagaaagtca naaccaaaca gggcaaattt tagtcancca 300

aatccttttaa gtccttttct acgggaaaag aagaagaagt cgaacgacga acgaaaccct 360

gaggttttcc aaggnnatct tgangtattt aaaggggag 399

<210> 12222
<211> 387
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-H1

<400> 12222

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gggtctgacc ggaaaatctc atgtgaaact ctggccgacg ataacgaaga ctcacctcat 120

aactcgaaga tccgacccgt atccatctcc gccgtcgatt ttccaccgga atcttactct 180

ttatcaaaag aagctcagct cgaatggcta aacganaacg ccttcttcga acgcaaagaa 240

tcacaaagaa ggaaactctt cngctccaat ttcgaatccc aatacaaagc ctaattcgag 300

ctcncatcga atctcacnca aatcaaaagc gtcgatcatc aagattancg naaccgcagn 360

aagacgtgtt tcaacgaagc gaangaa 387

<210> 12223
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-H10

<400> 12223

cttgtacang ntgtgnggcc gnaannnnga aggccttcng ggtcgacnca cgcgtncgcc 60

cacgcgtccg caatgacaag ctccgatcaa tctccatcgc acgacgtctt cgtctacggc 120

agtttccaag aaccagccgt tgttaattta attctcgaat gtgctccggt catggtttcc 180

gctcaactcc acggctatca cttgtataga cttaaaggtc gtttgcatcc atgtatttct 240

ccttccgaca atggattaat caatggcaag atactaactg gattaacaga ttctcagtta 300

gagagtttag atatgattga aggaactgaa tatgtgagga agactgttga agttgttttg 360

actgatactt tggagaagaa gcaagttgaa acaattgtat gggcaa 406

<210> 12224
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-H2

<400> 12224

ctttacacgn ccaagtcgnc cgtaaggaat tanagggtcg acgcacgcgt cngctcacaa 60

tgtttttttct cacanttctc cgaacatgcg tttgctttct ttattctcta ataaacctag 120

taaactcntc ttcttcgtta ctactatata ntanancgga gagttttggn accagagaga 180

ggtttnacgt atttcttant ttatttctct ccatggggat tctttgggat tcgttgctct 240

tgtcacttgt gtcaacgttt gctctgttct taatnaggat cctgttaatc aatcctggat 300

tgatttacac tggacaagtt acggcgtagg aagatcatcg agtggtttca tgtntaccaa 360

ttcnacangn ntcccataat tcaacganaa 390

<210> 12225
<211> 374
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-081-Q1-E1-H3

<400> 12225

taagaaacac gaaaatctct gaaagtcttt ttgtttgaag aagatgacgc atgttgaaga 60

tgataaggaa ttcaaggaga aacctttggt tcaggttctg agcgacgacg acagtgaagt 120

gaaggaagcc aaagacggag gaggtgaaga agttaccggc ggcgacggtg aaggagaggc 180

taatgtagaa gaggaagacg acgaagcaga aaatgaagac gatgatgatg atgatgatga 240

tgatgatgac gacgacgagg acgaggacga tgaagaaggg gaggaggatc ttgggacaga 300

gtacctagtg aggccggttg gtgaggttga agatgaggat gatgcaagtg attttgaccc 360

tgaggagaat ggct 374

<210> 12226
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-H4

<400> 12226

gcccaggtan ccgtaaggcc nttcangggt cgacgcacgc gtccgagaat tgagactttt 60

gggaggaaga agaaagaaat ttgttttctg aagaaggtgg aggtgccaag agaattatct 120

taatccttgt tcctcctcct cctcttcttc ttcctcattg gttgtttatg tttttatata 180

taatctaagg ttttggtaag tccaactcct atccttctct cctccttgat tcaacaaact 240

tggtttcaag ttcataaaca aggagagaga aaggaattgt taagtccnca atgagtaggt 300

tatgttatcc cataacccca attgggctac cnatttatca cctccatcca tttatactcc 360

tagaaacaac aaatctaaag gcaacacaac acaaatagta ccttccaaat gcttccatac 420

ttgctcatca cttgtctctc ctt 443

<210> 12227
<211> 111

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-H7

<400> 12227

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cattggatta tctcnttggn ggagacgctc ctgctcctaa gccagttcca g 111

<210> 12228
<211> 172
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-H8

<400> 12228

tcgactttgc caaactctgt tacgaangtt gaatactttg gacgtaaaac gttctgattt 60

tgcttttcgt tatgtatttc tgttttanat aagggttgaa atttggtttt gatgaacttt 120

tcatatncaa attgcattaa ggctacacaa gaanaaggan gncttgaang at 172

<210> 12229
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-082-Q1-E1-A11

<400> 12229

aaatcttcga gggaacattc agaaacccta acttcaacgg gaactcaaaa atcagaatct 60

ccagatcgag agcttaaaaa gtcgatttca attccccttt aagatttttt gcttttggaa 120

tgtagtgtga agaagaaacc ctagtttttt ctcacttgaa ttctctgcct tctttagtaa 180

tgtcaagtga gcagcgagaa ggttcgcaag agacgacgac gacgacggtg gaaggtaacg 240

gaacaattgc aggtcagaat tctcattcgg cggctcccac gacattgaga gctacctcta 300

cgatggtttc ttgccagaga ctaaggctaa accctaacaa cgagcataga cccgatagtt 360

atgaagatct gcagcttgat ttccaa 386

<210> 12230
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-A3

<400> 12230

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atctactttg atactctccg gtcgtttttc tccggtgctg gagatccgat tccttatctt 120

ttctgtcttg gctcgagatc cgagccaagc agtananaag acgactttgt ttcacgattt 180

ggaanttgat tcctgcgatc acagatggca tcgggtgagg gaantttgac ggatggacag 240

tggaaaaagc ttgagatagc aactcagaat tctggaagtt tgtcatcatc gcctaaatct 300

catantctcc ttgccgatct gaacatnaan tctcccactg ggnggcaaaa ggacaagttg 360

ctgggattcc ccaanaagga atgtgcnacn ntcncactca 400

<210> 12231
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-A4

<400> 12231

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tgtttcagct tcttcatcca acggttcgcc gccggtgatc ggaggatcta gcggcggtgt 120

angaccgatg attgtggaat taccgttgga gaagatacga ngaccgttga tgcgaaccag 180

atccaacgat cagaacaaag tgaaagagct tatggatagt atccgtcaaa tcggtcttca 240

ngttccgatt gatgtgattg aagttgatgg aacttactat ggggttctcg cggatgtcac 300

angatacnaa ggcgcatcaa gaaanctagg gcttccaanc tatacggttg caaaaatccc 360

gttaananga acaaagggaa accattaaag gcatcatcct tccgcnggaa gnagaatt 418

<210> 12232
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-A7

<400> 12232

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ctccaaagtt tcttctgcag catcattctt tagatgttct aggaagctag ttagtcagcc 120

atgtgtgagg ccttgcgtga gacagcttca cgtcagaaag ggtcttgtct ctggtgtcat 180

gaagctgttc tcttcacctc ttaggacttt gcgtgatgct ggtaaatccg ttcgcatttc 240

aagattctgc agtgtctcca atgtctcttc ctcantgcaa attgaactgg tgccatgtct 300

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anccttctga agctgtacct gttatggatg ccct 394

<210> 12233
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-082-Q1-E1-A8

<400> 12233

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cgtatatata ataaaggttt gatttttcg atctgagagc aagagaaaac cctttccatg 180

gcctcagcgg cgatattctc atcgttacga cggaggagat cgccgtcttt ggaagcattc 240

ttagcccccg ttgacctttc cggcgtcgca cttgttcaaa ccctagcttc aatctcttcg 300

gaggttgttt cttgtttcac ctctgttcga ttctcgtttc aacgcaagaa cgctccgttc 360

tttgattcgt aagatcgaag atctttggtc gt 392

<210> 12234
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-B1

<400> 12234

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gtctttgcac cggcgttacc tacgatcgag ctagtatcca acggtggctt gacggcggga 180

ataacacttg tccggcgacg atgcagattc ttcagaataa agatttcata ccgaatcgga 240

ctcttcaacg tcttatcgag atttggtctg attctgttcg tcgtcgaact tgtgttgaat 300

ccggcgggaa tttactgctc ccaacgaaga agaacgaaaa tngnccgatg ngattcgata 360

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<210> 12235
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-B10

<400> 12235

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tccgcccacg cggtccgact taantaagat acgatcatgg cgtcgtttgt ctttgtgatt 120

tctcttcttc ntctctcttt ttcgtcggnt gttttctccg aggatgcttc ttttcagaaa 180

cttccggtgc ctgacaagag gtcaggccct gaatctttcg cctttgactc taccggcgga 240

ttctacaccg gagtctccgg tggtaaaatc ctcangtacg ttcctgggaa gggttatgtc 300

gattttgccc agatnacana ttcctcgaac tcggcatggt gcaacggngc attatgaacc 360

gctttcgccg gaaagtgtgg tcgaancaag cgggaatagc cttaaacagc aaaacaggtg 420

gatctctatg tcgccgaatg ctccgttggg t 451

<210> 12236
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-B12

<400> 12236

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aacccgatcc ttcgatatat attacagctg ccgagaanct aggtgtttca gtgaaagact 120

gtttggtcgt anaggacagt gtgattggcc tgcaggctgc tacaaaagca gggatgtcat 180

gtgtgatcac gtacacttct tcaacctctg atcagaattt caatgatgcg attgccgtat 240

accctgatct cagcaatgtg aaattgaagg acttggaaac tctgcttcaa acaatagtca 300

ctgcagctta agacatttgt ctcctattca tttctgactg ttcttctgca actgtacatt 360

tgttgtttat gtttgataaa attttcatta ataagaaaag aagattcaaa tgtataanaa 420

aanaaaaaaa aagggcggcc gctctanaag a 451

<210> 12237
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-B3

<400> 12237

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aacggaacat gatagaactg tctctgtcga tgacaacgac agccttgtac ctgagccaag 180

ctcaacgaaa gaaagctttt ttgaagatct ctcgcttact gggcaagtta tgaatcctca 240

actttcaagt gcaggcgaag ttttgacaaa agttgaattg ggattttgct tttgtctctg 300

agaaattggt caaatcctaa gccntcttac tatgcaaact ccggcaagaa gggaaaaatg 360

gatttttgaa gtcctttggt tctaaagaaa ggnaanaaga g 401

<210> 12238
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-B5

<400> 12238

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acagaggatt caagtagcag cattgcaatt gggaagaaca ttacaaatct ccagagtttc 120

agcccatcaa cacctccact tactacatct agtaactgca gaatcgtcaa gcgaanaaag 180

ggaattcctc accgatctcc aatgggataa gaaccgagat tacacacagg ttttagctaa 240

tacagaggct tcttctgtct cttatctttc ctcgtatacc aaaagaaatg gtcttttgct 300

tgtgttaagc aaaaaaagaa aggccttaag ttagngtttt gttgtcctac tacttgggca 360

aatatgtgaa tatgtaatgt gcnttgtata tgangcag 398

<210> 12239
<211> 354
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-G9

<400> 12239

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cttcaaaccc tgaatcatct ccgcctcgac ctttcccgga atccagccgg aaacatgatt 120

ctcctcctcc ccgagcctcc accaacgagc caatgaagaa aatcggaact ccggagcgtt 180

taagagtccc aatagctttc atngtaccca gagagggtac angagcccaa ctgatgcaat 240

gatgtctcca agttactaaa ggtcttctcg caaggaccag aaagtcttcc ggttctctta 300

ttccacccag ctttaaccaa accaagattc aagaactacg caaaccggaa tcgg 354

<210> 12240
<211> 359
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-D4

<400> 12240

caactctttg tcgcgaacct tagctatcgt gtcctctact atctaacccg acccttgtat 60

cttcctcctt tcgtagctca gatcctctgt ggattattat ttagcccaag tgtgctcggg 120

aacacacgtt tcataatcgc acatgtattc ccctacagat tcacaatggt tcttgagaca 180

ttcgctaact tagctctcgt ctacaacatc ttcctccttg gtctagggat ggacctgagg 240

atggtgcgga tcaccgagct caaaccggtc atcattgctt ttacagggct tcttgttgct 300

ttaccggttg gtgcctttct ttactatctc ccgggaaatg ggccatccag acaagatna 359

<210> 12241
<211> 374
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-081-Q1-E1-D8

<400> 12241

ttcaagaaga ggatcttaca agcctcaggc ataggcgacg agacatacgt cccaagatcc 60

atctcttcat cagaaaacat aacaacgatg aaagaaggtc gtgaagaagc ctctacagtg 120

atctttggag cactagacga actcttcgag aagacacgtg taaaacctaa agacgttggt 180

gtccttgtgg ttaactgtag cattttcaac ccgacaccgt cgttgtccgc aatggtgata 240

aaccattaca agatgagagg gaacatactt agttacaacc ttggagggat gggatgttcg 300

gctggaatca tagctattga tcttgctcgt gacatgcttc agtctaaccc taatagttat 360

gctgttgttg tgag 374

<210> 12242
<211> 150
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-E1

<400> 12242

natggttaan tgctgctctc tccaacnaag ccacttgtat cgaaggcttc gatggtacct 60

ctggtctcgt aaaatccctt gtcgctggca gtctccgatt aactatnttc tangcttagg 120

gaantgttac cacttgtgca accagagcag 150

<210> 12243
<211> 342
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-081-Q1-E1-E10

<400> 12243

tcccaagatt cgaactatct cgtcctgtct cggctttgtc tcgtaccaaa tgtcacttga 60

gtctcctgag agctcgtggg aaatccagct tcctcactcg cagcaccgct actgatgaag 120

ctgttgaaac tagtagtaac agtggattgg atttggttga ggttggattc ttgtctggtg 180

ttcatggcct tcaaggcgag atttgcataa aaccaaacac tgattttcct gatttacgtt 240

tctctaagcc tggtagaaga tggttaaaac aacaattgtt gggacaagat aagattgatg 300

aggttgaatt agtcgaagga agacctcatc ctgcgcagaa ga 342

<210> 12244
<211> 109
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-E11

<400> 12244

ggtctatcta aaattcttag aangncggta atcggaatcc taaccggagc tctatcgctc 60

atcctcgttt tctcgtcgtc gatttcatcc gttgctgcnn gtaatgatc 109

<210> 12245
<211> 345
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-081-Q1-E1-F12

<400> 12245

attcttgaac ctcagcagta cgaggtacca gatccgactc ttgaaccaca gcagtacgag 60

gtaccagatc agactcttga acctcagcag tacgaggttg atgatcagtt agagtatcat 120

caataccagt tgcaggacca ggctaatgaa gatgtccaag atcattcgca agatgaccta 180

caatatcagc cacaaaatca ggagcagttt cagttacaag acgaggctca tgatcaggct 240

cagtatcagg cgcaaggtga tgtacaagat cacaatggtg atgaagtgca agataaagta 300

gaagatgagg aaggaattcc tgagcatctt gagtctctac agaaa 345

<210> 12246
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-F2

<400> 12246

ntggggnnng nggnaacttt aangcccnag tgnccgtaaa ggaattanag gntcgacgca 60

cgcgtcagca cattaatggg tcaaaccttt tgctcttcct tttgattaat ttagtgtttg 120

acaatctcct cctccttctc cttcttcttc aaagttttgt cgcagtatct attgttctta 180

cagagagaaa ggaaagcttt agtcttttac cagtttgatc caattctggg tttcactgaa 240

aaaaagttgg gagtttgatt cttctaactg tagaagaaac agagtcaaca gaagaaaact 300

aaaaaagttg agatttttct ctcacgcgct caagaacttg agtatgtctt cttctgtagc 360

agtgttatgg gttgctactt cttctctaaa tccagaccca atgaacaatt gtgggttggt 420

aagggttcta gaatcttcta gactgttctc tc 452

<210> 12247
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-F4

<400> 12247

gctgcttctg cggcgatcaa aaacgccgtc gacgataata acctcaccgg cgccaccaac 60

accgcccatt ctatcaacca aacaaaatct cgccgctaat ttctctctct atggcgcttt 120

attgccgtga tacactaatc atcatcttcc aaaagctcac cgtcgccgat ctagcgcgtg 180

cgagctgcgt ctgtaaggtt tggaattctg tagccacaga agacgatctt gttgtatctg 240

ctttcacggc tccatggcgg atcaaagaac ttgttggaag accagcttct gtttccgttt 300

tggagagata acggaatctg gaaatttgct atttctcatc ggatttgtcg tggtgatant 360

gtgactaacc tcgccgtcaa ntacgc 386

<210> 12248
<211> 375
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-081-Q1-E1-F5

<400> 12248

ttcacaaaca acctctcgtc ttctaggtta atccaatttc gtcgattcat gaagttcaca 60

attctcccat cggaaaattc ttcgtaatcg acgacgaaga gatcatgagt accgtcggag 120

gtatagagca gttgatacct gattccgttt caacgtcgtt catcgaaacg gtgaacggtt 180

cgcaccagtt cacgattcaa ggttactctc tagccaaagg catgagccct gggaagttta 240

tacagagcga tatcttctcc gttggtggat acgattgggc gatttacttc tatcctgatg 300

ggaagaaccg gaggaccagt cctcgtatat ctctttgttc atcgctttag cgagtgattc 360

taatgatatt agggc 375

<210> 12249
<211> 231
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-F6

<400> 12249

ggatnanaaa tggcttcntt tggaatggna gattttgcta aaaagtttgg aaatttggga 60

ncagcacaat ttgttggtat catcgccctt gctggagaca agtctgataa cattccagta 120

ggttgatggt attgggaatg tgcacgcagt ggaactgata tctaaatttg ggacgttgga 180

naatctgtng cagtctgtng ntgagatcan agagggaana ataaaggagt c 231

<210> 12250
<211> 290
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-F8

<400> 12250

gatcaccaag aagataacac aagagcccac acatcgtacg ccacgtggca gattcacctc 60

tttataatcc tctctccctc acggtttcta cgacattttc acaaagccac accaactcac 120

tcacanaatc tgtagaatca tctttcaaca atggcttcca ctgctctctc cagcgcaatc 180

gtaagcacct ctttcctccg ccgtcaacag acaccaatca gcctcagatc cctcccgttt 240

gccaacacac aatctctctt cggcctcaaa tcttccaccg ctcgcggcgg 290

<210> 12251
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-G1

<400> 12251

aagtttgcat atgaattgcn gactctgaat ttctcanaaa gataagggca ttgcttcatt 60

gatatggtta agaaatgtta gttgcgtatc ctgcgggaac tatcaacaaa ttccaaatcc 120

ctattagctg ctatgccgct ttgcgcagat tcaagacctc gccttttggt cctctgatta 180

gttgttctgt ctccccaaga tcaatagttc cttgtnagca atgtagagtg ttatcattca 240

tcnttttcta naanatatca tattcagcct caaatgagat ggatgttttg taactcacgc 300

ancaaactcg anttcatcgg atgatgagta ccgttcaaca accaacataa ctanaatctt 360

ttaacacgtt acaggaccgt ga 382

<210> 12252
<211> 350
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-081-Q1-E1-G10

<400> 12252

gcacatttgc atcgataata actcaccaac actctctctg tctccatcga atgtttcctc 60

taactctcaa caaaaatgcg caaacaattt gtttttcttc tgcctttctt gtcacgtctc 120

taccatgtag ttatagccgg aggagaacgg ttaactaacg gcggtttttc accggagata 180

aatccgttca cacccaaagc gtctttagta cgttactgga acaaacagat ccatcaccaa 240

tcacccggct cagcctttct cctctccaag gcttcaccac ttaccgccgt cgcctccgcc 300

accttcgcca aactcgcctc cgaaaacgct cttccggatc gcctccccga 350

<210> 12253
<211> 349
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-G11

<400> 12253

tggagaaccc ncctgatctg gatccaacta gcgggtcggg tcatgtcgag aaactcggta 60

accttgacac ctacgtctgt ggttccactc attcaaagct tgctgttctt cttgtccctc 120

atgttttcgg atatnacact ccaaacctga ggaaacttgc tgacaaggtt gcanaagctg 180

gattctacgc ggtggttcct gatttcttcc atggagatcc ttataatccc gagaaccagg 240

atcgtccgtt tcctatttgg atgaaagatc atgaactaga gaaagggttt gaggagtcaa 300

agccaatagt ggaggccttg aagaacaaag gnataactag tataggagc 349

<210> 12254
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-G12

<400> 12254

cttttacagc tatgtagccg taannacggc aaaggnattc ccggntcgac ncacgcgtnn 60

gtccaatcct tcatcggagc tcgttgtcgc cgcctcactg tatatcgttg ccgtcgttgt 120

atcaacatct caaggaagct tcgttagatg cggaaaacgt catggacgcg aacaatacct 180

tcgattctga tctgattcac gccatttta agcacatttg ggcccgaaga tttcgcgaaa 240

gggagaggag cgatgccatt gatgctacgg aagctgaggt tgctctggga acaaccaaga 300

agaacagact tgcttctgca aacgcaaatg ctttaaaact canctgtgaa cttctcaaga 360

gttttgtctc agaggctgtg cagcgcgctg ctataatcgc tgaagctgag 410

<210> 12255
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-G4

<400> 12255

cacatttgca tcgataataa ctcaccaaca ctctctctgt ctccatcgaa tgtttcctct 60

aactctcaac aaaaatgcgc aaacaatttg tttttcttct gcctttcttg tcacgtctct 120

accatgtagt tatagccgga ggagaacggt taactaacgg cggtttttca ccggagataa 180

atccgttcac acccaaagcg tctttagtac gttactggaa caaacagatc catcaccaat 240

cacacggctc agcctttctc ctctccaang cttcancact taccgccgtc gcatctgcca 300

acttcgccan actcgcctcc gaaaacgctc ttcnggatcg cctcnccgac ntctgctccg 360

ccgcanacgt catctgtntt ccagantt 388

<210> 12256
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-D2

<400> 12256

gnnngngnaa ctttaccgcc agtgccgtaa ggaattaang gntcgacgca cgcgtcagcc 60

cacacgtccg caaaacaaaa aaaagagcgt ggctttatct atcatctggt atccactatc 120

cacaactggg gtcagcttct ggttctctct ctcggtaact ttctgagctg aagaacccta 180

attcttatct tcaccggatt ccgggtatag ggctttgtaa agttgttgaa tttacaaaga 240

aagatatgct ggtttgtctg ggttttgtag aagaatctgt gttgttgctt tgagattaaa 300

gtccgaacaa tgttgggttt gattcatgtc cttgatgagc tcgtcaatgg tcttatgcca 360

ctgcttatca ttcagtagtc aaaacccaga tcctgaatca tcatcatctt ctcttcttcg 420

ttataagcct tgtgattcga t 441

<210> 12257
<211> 378
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-081-Q1-E1-G5

<400> 12257

gatgacaata aagatgctca gatggaagag cttgagaaag aggtcaagga gcttcgttca 60

caagagcagg atatattgaa gaacttgaag cgtgataagg gtgaagatgc tgttaaaggt 120

caagcggtga agaatcagaa ggctctttgg gataagattc tggagttcag attcttactt 180

cagaaagcat ttgatcgttc aaacagatta ccacaggagc ctgtgaaatc gttattttgt 240

tcagaagatg aggatgtctc aacagcatat acagatctag ttacttcatc taagaagaca 300

ttagattccc tcttggagtt gcaagaggct ttgtttgaga agaacccctc ggttgatcaa 360

caagtgaatg caacagct 378

<210> 12258
<211> 376
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-G6

<400> 12258

tcaacaactt ggnangtact gcgtggngca attcaatcaa caagcacann ncgagcaagg 60

aancatanga tccattgcga nnacagacac ggcaatttcg aatccattgc aatttanccg 120

agtagtgtct gctcaganac aggtcgtcgc tggactcaaa tactatctan ggattgaagt 180

cactcaaccc aatggctcta ccaggatgtt tgactctgtt gtggttattc aaccatggct 240

ccattctaag canttgctcg gtttcactcc tgttgtcagt cctgtctact aactttattt 300

cttcttactc gacttaantt tccataatat gatcaaagaa aagactaaaa ngtgtatgat 360

acaaagctat taagaa 376

<210> 12259
<211> 171
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-G7

<400> 12259

nacatgatgt ganantgaac atcttgttct gtggagtttg cgacactgat ttacacacca 60

tcaggancga ctggggatac tcgtattacc cagtagttcc agggcatgan ctcgttggga 120

tcgctacaca gagttggtac cancgtgact anattcatag naggagatcg t 171

<210> 12260
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-A4

<400> 12260

ttttacgcng nccagggccc gganaggaat aacngggtcg nnccacgcgt aacggaanaa 60

aatgggatct ataacggtag ctccgggaac caccgtctta ttctccagtc ggcggctaga 120

tctttgcggt cgtcgccatg agaatctatc cgtcgtttcg tcctcacaac cgtctctgat 180

gccaaagcag agatggcttt atattcccga gacgaggttg aaaagagagg ttttaaagct 240

cgatgtcgtc ggaagagctg ctgattccac gagctcttct ccatcagtag cttccggtga 300

tagaacctta attcctgatg atgaattcac tttagccaag atttcatttg gtgttattgg 360

gctaggtctc ggggtttcgc tactctcgta tgggttttgg gggc 404

<210> 12261
<211> 343
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-A7

<400> 12261

attatcacac tttcataaag ctcataacat acataaaaaa tgggtgaatc ttttagatta 60

ttcaatcatc atcacttcct cacaactttt ctcataatca tagccatgct caaattggtt 120

catacaacaa caacaacaac tacaacaaca acaacaaaca ccgagttcgt aaaatcatca 180

tgcactttca caacgtaccc aagactctgt ttctcttcac tctcaactca tgctagtctc 240

atccaaacaa gccccaagct catggctcat gcggctctca acatcacatt agcctcggnt 300

aaagtaactt cagcaatggt ggggggtncn ctcgaataag tcg 343

<210> 12262
<211> 342
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-080-Q1-E1-A9

<400> 12262

gaagaaacag agcaattaaa gaaagagtat gtaactttca tgaaaggagt tgtctctgct 60

cctctaaatc taccaggaac tgcttatcat aaagctcttc agtcacgagc aacgatattg 120

aagttcattg agaggaaaat ggaagagaga aaattggata tcaaggaaga agatcaagaa 180

gaagaagaag tgaaaacaga ggatgaagca gagatgagta agagtgatca tgttaggaaa 240

caaagaacag acgatgatct tttgggatgg gttttgaaac attcgaattt atcgacggag 300

caaattctcg atctcattct tagtttgtta tttgccggac at 342

<210> 12263
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-B10

<400> 12263

ctcntacgcg ctcgaggtgc cggtacagga attaacggnt cgacncacgc gtcagcccac 60

ncgtccgatn aagcttcacc taattagtgt attcccccaa atttctcaat tctcactaat 120

ggctttggtc agcttacttg aaatctccat tgctttcttt tgtttcctta tctttcgaat 180

tttcctgatc agcaagaaac cacaccgttc atttctcaca aactggccgc tcctgggcat 240

gcttccgggt ttacttaccg tgctccctcg agtttacgac tttataaccg aggttcttga 300

ggacggcaac ttaaactatc ttttcatagg ccctttttta gggggcatcg acatgttgtt 360

caccgttgat ctgctaatat catcacatca tgagctcaaa actt 404

<210> 12264
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-B11

<400> 12264

nttgtacncg nccaggtgcc cgtaaggaat tcanggntcg acncacgcgt cagcttcant 60

ccagtagcag tagcctgcgt gttttaccaa gagatattac acaccaacag caagagaact 120

gtcacgcatg tcaggagtag aaagagctcc aattctccac catttcgctg aatcgcttgc 180

tggtgcaaca acaatacgtg cttttgatca acgagatcgc ttcattagct caaaccttgt 240

tctaatagat agccattcaa ggccatggtt ccatgttgca tcagcaatgg agtggctttc 300

cttcaggttg aatttgctgt ctcatttcgt cnttgctttt tctttggtgt tacttgtgac 360

tctccctgaa ggtgtcatca atccaagtat tgctgggtct tgggggtca 409

<210> 12265
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-B5

<400> 12265

nttgtaaagt ctnangtgcc nnaaaangga aaggnattcc ggggtcgacn cacgcgtccg 60

cttcgtttac tccgcttcta tggaagaagc ttgaatcctt ctctcttctt cttctccttc 120

ttcccttgac atttttgttc tgagaagcaa catggccctc ggtggcttga tttcaaatcg 180

gaacttcggt tccttcatcg gctcaggcaa tggttgtcag agacttggaa aaagtggtgc 240

agaggtttcc aagctttttc caaatgcatt gttgtgccgt aatcatcaac ctctgcaagc 300

tagtttacat catgaatcgg gacacatgag aagaagtttt ggatgtttcc ttcaaccaag 360

aatggacagt gtaattaggt ttaggaacag tatcaaagat naa 403

<210> 12266
<211> 330
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-B6

<400> 12266

gtgctgactt acaaaacctg atgaatgaan cggcgattct tgcggctagg cgtgagctta 60

aggaaataag caaggatgaa atctctgatg ctcttganag gatcattgct ggacctgaga 120

agaagaatgc agttgtctct gaagagaaga anagacttgt tgcataccat gaggctggtc 180

atgctctagt gggtgctctt atgccagaat atgatccggt tgcaaagatt tctatcattc 240

ctcgtggnca anctggtggg ctcacttttt ttgctccaag cgaagaaaga cttgagtctg 300

gattgtacag taagagctac ctttgagaaa 330

<210> 12267
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-B8

<400> 12267

naatnctacg gccccagnna ccggnacgga attccngggt cgacccacgc gtccgcaaag 60

cctctggaga agatctgtag gtacgtacaa atgtctgaac atgttatggt tttgggtaaa 120

ggtaacaaag gaatcagcaa gaattcttca gtcaatccat atgaatcagc ttggttaggt 180

cgttggactc agtcaggtag tgaagtgaag tttcatgatg gtgagaccaa ttgctctaag 240

cagttgataa gacctgaaga tgagaatcat ggagtcgagg tcttgccgtt tcctatgttc 300

aaggtttctc aaaagagaga gactactact actactacta ctaaaccgtc tttccatgaa 360

gatgttggtt caagctcgag agctatggtt aatagaatg 399

<210> 12268
<211> 350
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-080-Q1-E1-B9

<400> 12268

tcgtaccctc tttactcagg tattttctga agttaaaaga tagaaataat gtctgaaaag 60

gtgggagcga tgggtggtaa caagggtgga gcattcgacg atggtgtttt tgatggtgtg 120

aagaaagtaa ttgttggaaa agacttcaac aatgtaactt atatcaaggt tgaatacgaa 180

aaggacggaa aattcgaaat tcgtgaacac gggactaatc gcgggcagct aaaagagttt 240

tcagtggatt atccgaatga atatatcaca gccgttggtg gaagctacga cactgttttc 300

ggttacggat cagcgttgat caagtcatta ctcctcaaaa acccctttatg 350

<210> 12269
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-C1

<400> 12269

nttgtaaagc ncaggtgccg gtaaaggaat nacgggtcga nccacgcgtn cgcggcaaac 60

gcagagtagc ttgaagaaat ccgttgctca ttctcttctc cgatcgtttt tttcttcgca 120

tcccaaggtc tctcagttac agaagatgga gaaaacgccg ttcgttctct gtttctcagt 180

ttctcggaat caaattccag attacaatcc ggacgaagcg aattggagtg agaaaattct 240

ggatcatgtg ggtgatttca aaagtctgga agaagtggtg tctaagctga cagagaatct 300

gaatctgacc gagtctcaga ttgcgagtat ttggaagtca ttgattaagg caagaagaag 360

aagctcaaca agttccaaca ccaacaacan caacgaagtg c 401

<210> 12270
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-C10

<400> 12270

tcntacngnt caggtgccgt agaagaatta anggctcgac ncacgcgtna agctctcncc 60

gtagatgttg acaagttcta ctctttatgc gatccggaaa tggagaatct gtgtttgtac 120

ggacacccga atgggacatg ggaagtgaat cttccagctg aggaagtgcc tccggagcta 180

cctgagccag ctcttggaat caatttcgct agagatggta tgcagcgtaa agattggctc 240

tctttagttg ctgtccacag tgattgttgg ttactctctg tttcttctta cttcggcgct 300

cgtcttaatc gcaatgagag gaaacgtcta tttagtctga tcaacgatct cccaactctc 360

ttttgaaagt agtgacgggg tangaaaccc atcaaaagac ggtaa 405

<210> 12271
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-C11

<400> 12271

nggngnnnnn gnggnnaatc ntaccgcnga ggtgccggtn cnggaattaa cggntcgacc 60

cacgcgtcan ggaaaaggaa ccatcacggg caagtttgtg ccaattctat gtggttcagc 120

ctttaagaac aaaggagtgc agccattgct cgacgctgtg gtcgattatc tgccttcgcc 180

cgttgaagtc ccgccgatga atggaacaga tcctgagaac ccggaaatta ccattatacg 240

gaaaccagat gatgacgagc catttgctgg gctagcattc aagatcatga gtgatccttt 300

tgtgggttct cttacatttg tgagggttta ctcagggaaa atctcagctg gttcttacgt 360

gttgaatgct aacaaaggaa agaaggagag aatcggaaag actccttggg aatgcacgca 420

aacag 425

<210> 12272
<211> 337
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-080-Q1-E1-C7

<400> 12272

ccacactcac aaagggctca caagtctcaa atacaaaaca atgaagaaca tactagcttg 60

catagttacc atcataaccc tctcaaacct cataaccatt tctcaaggaa gaagggtatc 120

acagtcattt gaaacatttg agtacacagc aattatttgc agatcccaca gtgcctccat 180

aacagagtac ggtggtgtag gagacggcaa gacgctaaac acaaaggcct tccagagcgc 240

cgttgatcat ctcagccaat actcatctga aggcggagca cagctctttg tacccgccgg 300

gaaatggctc aaccgggaag ttttcaacct cacaagc 337

<210> 12273
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-C9

<400> 12273

nttntacgcg gtccaggtag cggtacgagg aattaacggn tcgacgcacg cgtcagctcc 60

gtcaccgagg gagagcaacc atgccaatct caattcccct taacgccact ctacaatact 120

cgtctccttc ttcttcttct tcttcttctt ctctcgtacc ttcttccccc cttttctctc 180

cgattccttc aaccactgtt tcccttaccg gaattcgcca gcgatgcctc aggatggtca 240

cttcttgcgt ctccancgct cagaaatccg tcctgaatgg tgccaccgat tccgtctctg 300

tcgtcgggcg ggagcagatt cgtcttggtc ttcctagcaa aggacgcatg gccgccgatt 360

cgctggatct tctcaaggnt tgccaantgt ttgtcaaaca aagtcaatc 409

<210> 12274
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-D10

<400> 12274

cttgtaccgc tccaggtagc ngtaaggaat tcacggntcg acccacgcgt cagctcatat 60

ttaaccgggc taaacagtac tccaaggagt accaggagaa agaaagggaa ttaatccagc 120

tgaagcgtga ggcaaaattg aaaggaggct tttatgttga cccagaagct aaactgcttt 180

tcattatccg tatccgtggt atcaatgcca ttgacccaaa gacaaagaag attttgcaac 240

ttttgcgttt aagacagatt ttcaatggtg tgttcttgaa ggtcaacaag gcaaccatta 300

acatgcttcg ccgtgttgaa ccctatgtaa cctatggata cccgaactta aaaagtgtga 360

aggaattgat ttacaaacga ggttttggaa agcttaacca ccaaa 405

<210> 12275
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-D11

<400> 12275

nngggnnnnn nnngnnaact tttacgcgnc caggtgncgg taaggaatta cgggtcgacc 60

cacgcgtcng tttatctctc tatacacaac aatggcggtc ttcgttttat ctctactcat 120

actctcttcc ttctcagcca ttccattcac ttatgcagat tctggaatga tcggagttaa 180

ctacggccgt atagcagaca atcttccggc accggagaaa gtagttgagc tactgaaaac 240

acaaggaatc aaccgcatca agctttacga caccgagaca actgtactaa ccgcactcgc 300

gaactccgga atcaaagtcg ttgtctctct ccccaacgaa aacctcgctt ccgccgccgc 360

agatcagagc tacaccgaca cttgggttca ggacaacata aagaagtaca ttccagcgac 420

ggga 424

<210> 12276
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-A3

<400> 12276

tgtacgcgcc cangtgccgg taaaggaatt aacgggtcga cgcacgcgtc cgcccacncg 60

tccgcttctt tatatgagcg aagaagatgc attctggtta ttagttgcat tactcaaagg 120

agctgtccac tccccaatag aaggattgta tcaggcaggg cttcctcttg tacagcaata 180

tctgttacag tttgatcagt tggtaagaga gctaatgccc aaactaggag aacatttcac 240

tcaagaaatg atcaatccga gtatgtatgc aagtcaatgg ttcataaccg tcttttcgta 300

ttcacttcct ttccattcag cgctacgaat ttgggatgtg tttctagctg agggtgttaa 360

aatcgtgttc aaagtcggtt taacaataat gaagcaatgc 400

<210> 12277
<211> 198
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-079-Q1-E1-B6

<400> 12277

gaatggtaga agaagaggag ttgcagtttc acgaggagta tatgaacgaa agagatccta 60

gcatccttca ctttctttta gcttcaggag atgatgtctc tagtaagcag cttcgtgatg 120

acttgatgac antgcntana gccggacatg aaacatcggc ggcagtatta acatggacct 180

tttacctttt aacaacga 198

<210> 12278
<211> 186
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-079-Q1-E1-C4

<400> 12278

agcacccttg gttaactttt ctggtcacaa agatgaaggc tatgctatag actggagtcc 60

tgcaaccgct ggaagacttc tttccgggga ctgcaagagt atgattcacc tgtgggagcc 120

agcttctggt tcatgggctg ttgatcctat tccgttcgct ggacacactg caagtgttga 180

agattt 186

<210> 12279
<211> 324
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-079-Q1-E1-C9

<400> 12279

aaatcttttt ttttttttg ttgtctttct tctcgagaga gataagtgac caaagggttt 60

cgatttctgg aaatagtttg aataaaaaag taatttttat gtgattattg gcaaagaaaa 120

gttttagttt tttttagttt gtgagagatg tctggttctg tatctggttg tggttctggt 180

ggttgtagta ttgtatggtt tagaagagat cttagggttg aagataatcc agctttagca 240

gcagcagtaa gagctggtcc agtgattgct ctgtttgttt gggcaccaga angaagaagg 300

acactatcat ccaaggtagg gttt 324

<210> 12280
<211> 302
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-079-Q1-E1-D12

<400> 12280

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tcctcaagtc tctcaatttc ttcccagatt ccccaacgcg actagattca atgtaactcc 120

acggagcaga gccgccaccg tcgtcgcggc atccgtcacc gacctagccg gggtcgacag 180

tacaacaatc gccgtactcg gtggaggatc cgtagcagca ctcgcggcga tggtttcctt 240

aacggatccg gagaggaggc ggaaattgca ggcggagtaa gttggcggan gcnanaanga 300

gg 302

<210> 12281
<211> 185
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-079-Q1-E1-D2

<400> 12281

atttcggatt tttgcatctt ctccgatcat cttcaccact atgggtgctt catcttctac 60

agacgacaaa gaatcatcgg agaaacgaga aatcgaaagc cttgctgctt caaccggagc 120

tcttcctctg cttaaacgat ccttctccaa actcgtcgat tctcaaacca atactgttcc 180

ttttt 185

<210> 12282
<211> 210
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-079-Q1-E1-D6

<400> 12282

aaaaccacca aatcagtttc gttgtcccaa atccaaaatt cctccttctt cttcgctgta 60

acgctttata cctaatcgga gataaaacaa tgcaatcgtc gaaaggacgg cggaaagttg 120

gctccacaac cgccggagcc ggtatagatt cggcggagaa gctcgacgag ctcttgatat 180

cgtctgccat ttgtaacggt gaagatttaa 210

<210> 12283
<211> 209
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-079-Q1-E1-D7

<400> 12283

aaaaccaaaa aatcctttga aacttttttа gcctgtcgct tctctttcca tcgtcttcct 60

cgtgaacgaa acttctcgat cttctttttct ttttttttcac ctgtttttcg gtatcacgag 120

aatactacac ttcccactcc actttatcgg atatatttcc ttgattttct ccgattgtgg 180

tcaatctgga aaattattga gaatctctt 209

<210> 12284
<211> 207
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-079-Q1-E1-D8

<400> 12284

tcaagatcaa aagagatgtc atcaatagct tctggcacag tttcaacaac cagatcgaca 60

ctttgtttca gaaaaatccc aaagtctgca actgttttat ctatgcttca tcgatcttct 120

tcttcttctc cacgaatgtt attattgttg tcttcttcat cagctaactc tgcaaaacta 180

ctgaactcta acaatggtct cttaatt 207

<210> 12285
<211> 323
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-079-Q1-E1-D9

<400> 12285

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gcaaggatct ctctgttgtt cncattaggc ctttgtttta gccctcggct cagtgttcct 120

ttccgtttcc ggtcacgctc ctcccgtgac accgagaaaa tcagcatgtc caaaaacagt 180

atccgaactc cagaccttac cttttaccga aatcactgag atcctaaacc gaaaagagcg 240

gtctgccccg aaaaccccctg agttcaaggc aatgttcaca atgtgcaaag gctacgtgac 300

atacctcgag agcctctaca agt 323

<210> 12286
<211> 325
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-079-Q1-E1-E12

<400> 12286

gcggatttca tcttagtttg cttttctttg ttttcttttg antccggtat tttgccggtt 60

taaatttccg acttgttcgg aatttcttcc ggttttattg ccggtttttt gataagatct 120

tttgcaagtt gcaaatcacc acttccaatc ttggnagatg tttaattccg ggagagtttt 180

agatggatct ttgttcattg gatgcntgan ttttcttcca tgtgaaggta aattcctcgc 240

tttgctaata agagcgtaag ggcgtcggtt cttcatgggt gacagatcaa gatgtttgcg 300

gttgattgga gaggagtatg aagag 325

<210> 12287
<211> 168
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-079-Q1-E1-E2

<400> 12287

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acaaattacc cggacgacca tggattccga caagagttta taatgaatca agatggacaa 120

cgtcgtaagc ggacgacttc ctataactca caaactcgtc ttttggtt 168

<210> 12288
<211> 54
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-079-Q1-E1-E3

<400> 12288

cncncaccag aacgtttgtt gagaagaatt acaaagattt gaagtctcna aggc 54

<210> 12289

<211> 208
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-079-Q1-E1-E7

<400> 12289

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tcctccgttg atttcgatcc cgattttgat attgtntcga cangaaattg gtgtgatctc 120

gtttcgagtt tcgtggcgta tttgcttant ttaagtgtgt ggaatcgatt tttaatgggg 180

gaataattct ggtagaagta naaactct 208

<210> 12290
<211> 125
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-079-Q1-E1-F1

<400> 12290

tganngcaat canctgggaa catgaatcat ctccggttta tcaggatttt cgngttcttc 60

ctctcttcgc tgtgttcttc ccttcgattc natttctcct cgatagattc gtcntcgana 120

aattg 125

<210> 12291
<211> 195
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-079-Q1-E1-F3

<400> 12291

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tactttgggt gcccagagct acgttanaag gtagatttcc aggagattgg ggttcatgtc 120

aaaacttgga gatggttaat ttgggtcaga acttctttaa aggcaaaaat tcctgtcggt 180

cttagtaaat gcaat 195

<210> 12292
<211> 180
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-079-Q1-E1-F5

<400> 12292

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tgtgaaattc gcttgcttgc tttcttcaca gtcaattaat tctctaacaa aacattcttc 120

gatcgttcgt tttcatcttc tatgcttctc tgatcagaca naagaanaca accaaagaaa 180

<210> 12293
<211> 203
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-079-Q1-E1-B5

<400> 12293

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gtttgattct gttggtaatt gatctgaaat cctaggtttt agccgtagat ctgctgcttg 180

tttcgatcga tttgggatac cgc 203

<210> 12294
<211> 204
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-079-Q1-E1-G12

<400> 12294

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tctcnagctt tcgctctcca ggatncaaaa tctcgtttgg aaatcngatt ttccaccttt 120

acccagtanc atttcttctt acaagggttc ttcagangac tttattgant gctaatatac 180

aactggccgt gactgttgtt cgca 204

<210> 12295
<211> 212
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-079-Q1-E1-G3

<400> 12295

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cctccgatca acctgaagtt gttatctcta tcgccgacga cgacgacgac gagtcaggac 180

tcaatcttct tccagccgtt gttgaccctc ga 212

<210> 12296
<211> 208
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-079-Q1-E1-G4

<400> 12296

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ggcgagacga cctaagtcaa gcagttttac aggccaagaa tgcgagtaat agcgatggtt 120

tagtaggttc tgctcaaggt gtttctgaca gtggattgct tgatctgctt gaaggaaaac 180

tcgcagttct tcagttccaa attaagat 208

<210> 12297
<211> 180
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-079-Q1-E1-G5

<400> 12297

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cctaaattta ttaaaacaaa tggattccac ggagctgaac cgtgtgttcc aaatgttcga 180

<210> 12298
<211> 208

<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-079-Q1-E1-G7

<400> 12298

aaatctcgag acaaagatac aatggcgagc cgaaacagag cactcttctc tgtttccact 60

cttttcctct gtttcatcgt ctgcatctcc gagcaatcga acaatcagtc ttctccagtc 120

ttcgcctgtg acgtcaccgg aaacccttct cttgccgggc ttagattctg caacgcgggg 180

ttgagtatca aagcccgagt caccgatc 208

<210> 12299
<211> 58
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-079-Q1-E1-G8

<400> 12299

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<210> 12300
<211> 197
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-079-Q1-E1-H1

<400> 12300

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cagcggctaa ttctagtgtc gctaataggg tctctgtttc ttcaaattta gttctttaaa 120

ttcactacga agatttttgt tatggcgagt agaaagctgg ttcgagattt actgatcaca 180

aagcagcctc ttctcca 197

<210> 12301
<211> 128
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-079-Q1-E1-H11

<400> 12301

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gtaagccctg natcgctgtt ggaatgattg aaccttgact anaacagagc ccngcatttc 120

gangttga 128

<210> 12302
<211> 197
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-079-Q1-E1-H2

<400> 12302

atgtcatgat cgaccatgag ctgcgcaaac ttcgcctaat agattggggt ctcgctgagt 60

tttatcatcc tggaaaagag tacaacgtcc gtgtggcctc aagatacttc aaaggtcccg 120

aacttctagt tgatttacag gactatgact attccttgga catgtggagc ctcggttgca 180

tgtttgctgg gatgatt 197

<210> 12303
<211> 95
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-079-Q1-E1-H4

<400> 12303

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aacaccaatt ccacttcata ttcttcntca gtacg 95

<210> 12304
<211> 180
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-079-Q1-E1-H5

<400> 12304

actcaggatg gactcagggt gttgacacct cgtgtagatg gaattgattc atctgtcagt 60

catcgtggga accacttttt catccagaga aggagcactg aattttacaa ctcagaactg 120

atcgcctgtc cagttgatga cacatcaaag acaactgttc tgcttccaca tagagaaagc 180

<210> 12305
<211> 207
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-079-Q1-E1-H7

<400> 12305

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cttctatact aacattgtac gtaagaagga aaaaaaaaga acgctgcatt tctcgaatgt 120

gtaagaatcc cggtttcaag gaggttttag ggtgggttta ttatgaatca aaattccgtt 180

tgggggtatg tgatgatggt tttagct 207

<210> 12306
<211> 341
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-A10

<400> 12306

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aaaaatgaat tctcaccaga atcaaaccgg agtgcaaaag aagggaataa cggagaaaat 120

catggagaag ctaccaggtc atcatggacc tactaacact ggtgttgttc accacgagaa 180

gaaagggatg acggagaaag ttatggagca gctgccaggt catcatggtg ctactggtan 240

cngnnggtgt nnacaacgag aagaaaggaa tgacggaaaa agttatggag cagctgccag 300

gtcatcatgg atcacaccaa actggaacca acacaactta t 341

<210> 12307
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-A12

<400> 12307

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attattcctg cagctataaa agatcacaat gttcaaggat acatctacag agactattgg 180

gaagacatcg gaactattaa gagtttctat gaagctaata ttgctcttgt cgaggagcat 240

cccaagtttg agttttacga tcagaataca cctttctaca cttctcctcg gtttctacca 300

cccaccaaaa ccgagaagtg ccggattggn aattcggtaa tctcacacgg atgtttcttg 360

ggagaatgca gcatccaacg ttccattatt ggtgaaagat cacgtc 406

<210> 12308
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-G10

<400> 12308

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aagcagcaga gtttgatatt ggaatctact ttgaagctaa tggccacggg actattctct 180

tctcggaatc tttcctatct tggttagttt ccaaacaaaa ggatcttacg gctaaaggtc 240

agggtggttc tgaagagcac aaagctgttt ctagactaat ggcggtgagt aatctgatta 300

accaagccgt angtgatgcc tctaagtgga agtgctcctg ggtgaagtga ttctacaaac 360

acctggggat ggtcgaatng aagaaattgg anntga 396

<210> 12309
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-G2

<400> 12309

tgaagaagac atcaatgact ggcttccata aacttttaaa gctctctctt tcagattcct 60

ctctatccat ttcattaaca ccaaaacctt tttcttctct ctaaccaaac aagaagagga 120

ctccattttc gcaagaatgg ggaggcttaa gcaatgttgg tcaagtctgc tantattggc 180

agtgttggtg atcggaactg gagccgttcc catcacttat ctccaaagcg ccgtcgctaa 240

aggagccgtg tgtttggatg ggaagtgcac cagcttacca ttttgacnaa gggtttggtt 300

cgggtgttaa caattggatc gtcnacatgg gagggacgaa ggatgggtgt accgacgttg 360

cttcatggta ntgaacggta nngggnacaa ttgaaagggg ttccttccaa ag 412

<210> 12310
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-G3

<400> 12310

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gaanaaccta naaagctcta gagagaaaga gagagagaga tggaaggtaa agaagaagat 120

gttagagtcg gagctaacaa gtttccggag aggcaaccga tcggaacttc ggctcagagt 180

gacaangact acaaagagcc accacctgcg ccgttgttcg agcccggcga gctagcttca 240

tggtccttct gganaagctg ggattgctga gtttatagct acgtttttgt tcctgtncat 300

cactgttttg actgttatgg ggtgtgaaga agtcaccnaa ncatgtgttg cttcccgtcn 360

ggnaatccaa aggtatcnct tggggctttt cggtgggtat gatncttcgc tcctccgtcc 420

tactgcaccg ctgggtatct cccgggtggg acacatncaa nccaacgggn ttacgtt 477

<210> 12311
<211> 336
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-G4

<400> 12311

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ttagagtcaa aagatatttc tctgaagata gttgatttca ttcntatgaa cacacacaac 120

cacacacatg tatatgtaga agttaccccc aagtttttta cccntgattg taatttctaa 180

tttgtgaatt catcaagaag atggtaaaat gaatctccat ttataaagtt atcttttatt 240

ctcgaggaaa acaaacgaan tgtcaaatgt tcaatgacac tcatgcttta tagtgttcan 300

aantcccntg caaaaaaaaa aaaanaaaag ggnggg 336

<210> 12312
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-G8

<400> 12312

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gcaacaacaa tccgttcctc ttctcctctc acttccgctt ccactcatca cttcctttcc 120

aaacccancg caatcgaatt cccatttcgt ctcagctctt cttctagcca ccgtgcaatc 180

aacctccgtc ctatctccgc cgtcgaagct ccggagaaaa tcgagaaaat cggatncgaa 240

ntctcctcct taaccctcga atnaaagctc gtatcctcgg tcgactatct ccaagacaaa 300

ttcggtgtct ccccaagtct ccttancccc cggcagcagc cggtcgttgc agctccaagc 360

ncgacgggtg gcccggcngc tngtngtgga gggagcaaan cagnagttcg natnt 415

<210> 12313
<211> 372
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-H10

<400> 12313

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gcaacaagaa atctaacggc gccgttagct tctatttcag cagcaagaaa tctcttcatt 120

ggaggangat gtgacgaaaa ttatggtgag ccaggaagtg ttttctcatt ccaatggaat 180

aaggaaagta caacaccgtt ggtaatgctg gngcactaac tggtccattt catcatcttc 240

ttggggtcaa ccagacaaac aagcccgcct ttttaagggt ccaatctang agctatcagt 300

ttgtcgctga ttctcattca tctcctaaac gtattgtgaa naatgaggat gagggaanat 360

ttttctgant ca 372

<210> 12314
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-H11

<400> 12314

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cttcttgatc aggccttgtc gatttactgt cccttgtanc aacttaaggt tcatgtctga 120

tcttgaagtt caagtcccca ctgcctttga tccgttcgct gatgcaaatg cngaggactc 180

tggggcggga acaaagggaa tacgtgcaca ttcgtgttca gcagcgtaat ggtagaaaaa 240

agcttgacaa ctgtccaggg gcttaagaaa gagtatagct atagcaagat acttaaagga 300

ccttaagaaa agaattctgc tgcaatggca ccgtcgtcca aggantctga attaggacaa 360

ggttantcag cttcaaggtg atcaagagga agaanngtnt 400

<210> 12315
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-H2

<400> 12315

gcncacgcgt ccgaaaaagc ttttaacctc agccgttaaa tctttctccg atcatgccga 60

ccagaaacat cgccattggt ggagtccaag aagaggtcta tcaccccaac gcacttangg 120

cggcgctcgc tgagtttatc tcgactttga tcttcgtctt cgccggctca ggctccggaa 180

ttgctttcaa caagatcact gacaatggag caaccactcc ttccggcctc gtcgccgctg 240

ccttagctca tgctttcggt ctctttgtcg ctgtctctgt tggngcnaac atttccggtg 300

gccacnttaa ccctgccgtt aacttngggg gcntaatccc gnngnnaaaa tcantctccn 360

ccgtgggant ctccactggg attgctcnan cntctttggn tcc 403

<210> 12316
<211> 385
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-H4

<400> 12316

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tctcttcnaa ttttctagaa aaaacatgtc ttgctgtggt gggaagctgt ggttgtggat 120

ctgcctgcaa gtgcggcaat ggttgcggan gttgcaaaag gtaccctgac ttggagaaca 180

ccgccaccga gactcttgtc ctcggtgttg ctccggcgat gaactctcan tacgaggctt 240

ccggcgagac tttcgttgcc gagaatgatg cttgcaanat gcggatctga ctgcaagtgc 300

aacccttgta ccctgcaaat gaaagaactt cataanaccc naangtctgg tnntaacccn 360

aatgttaang ttaagtttgc ctana 385

<210> 12317
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-H6

<400> 12317

tgctaacttt ctcagcttcc agatatctct ctctctgagg agatatcaaa ggttgatcca 60

aagaaggtgt ttcacgttgt tgaaattgga taattcagaa aaaagcacct ggaatcaatc 120

actcaagagg agttgaagga accaaagccc taataaacta gggaaagtaa tctatcctcg 180

ccggagtcgt tgtctcgccg ataaggaacg aaggacgaag ctgtcttcga tttccgggat 240

tgaagattcg gttttgagct caaatcgtcg actgagtaat gggggttgat ccattcaaaa 300

ctacggaaac gttagaagcc gacaaggaaa ccaatggtgg tgtccctgtg aaggataaat 360

tgacttttaa agctcctgag agaaagtccc gtttangttt g 401

<210> 12318
<211> 214
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-079-Q1-E1-A1

<400> 12318

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atattttctc tcttttcagt tttctctaga aaaaaacact agtaatcagt ttgcgtttga 120

taaatatttg atgtggcaaa actcttgtgg atcttgatgt tcaaacattc atgtctccgg 180

tgattagtga aatccttaga tctggtttaa ctat 214

<210> 12319
<211> 337
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-079-Q1-E1-A10

<400> 12319

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taatgaacct gaaattgtaa ttaggcatat aattggggat tatttgctga aattctcatt 120

tctagatcga aaaaagcgaa taattcgttt tcatttgatt cttgcctaat cttagggtgt 180

ctttatttat ctaccaaaag aatgtctaat tatcngaagg agatgatgct gangtacatg 240

gaangacgta gatnatgaga tggaagatgt tgaaggatga aatggatgag ggaggtttcn 300

gtgggtgagt gatcntgggg tgctttcaag attnctg 337

<210> 12320
<211> 213
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-079-Q1-E1-A7

<400> 12320

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tggtttgttg tgaaggtttt ggtactagtg gtatctctat tgttgccaac aagtgcagaa 120

agctgaaagt gcttgatttg attgagtctg aggtcacgga tgatgaagtg gattggatct 180

cttgtttccc tgaggatgta acttgtttgg agt 213

<210> 12321
<211> 333
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-079-Q1-E1-A9

<400> 12321

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tgttgttctg tttaacaagt gtanaggaac caaagttgaa aactttgaac ttcccattga 120

ttttaatgtt aattactgat cattcgaatc tgaaattgaa gcatatgagt gcttaatctg 180

tgagtgttag aagaagtaga agaagatgca gagggttagg gtttcatctc aaagagcagt 240

tgtgcataaa gcttggggat tctcagatga cattatctcc caaaatttaa gaggtagctg 300

catcgataca atcgacaatt gttcgataga tca 333

<210> 12322
<211> 311
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-079-Q1-E1-B11

<400> 12322

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gatcagaacg tttcttcacc tcaaaccctt gaaggcactg ctcgctctgt tcccggtgag 120

ccatttccct tagacggagc acgagcaagc cgctctcacc ggattcaaca gctctctctg 180

cttcgcgaag gctttcctct tggaatcatt ccttctttgg ctcctgcttc tgacaagaga 240

ctcggctctt tctctctcaa ttctctcttg ctcagtcctt cctctaacaa ctggtggtta 300

ggtttagttg g 311

<210> 12323
<211> 325
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-079-Q1-E1-B12

<400> 12323

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ttttgcgacg acaccgagcg attcgtgcct ccctcccctt cctttgactt cggttctaac 180

ttgattacca gtgagaagta ggctaagatg gaaatcatgt caagagagaa tgagactgct 240

ttgtcaggtc ctaggccgat ggaatggtct accgtcccac acagtgcttc tcaaggacct 300

ggtcccaatg gcaagaaccg gaccg 325

<210> 12324
<211> 216
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-079-Q1-E1-B3

<400> 12324

acaatggttt ggttaatgaa agtttttgtc tttgtgacat tactctcttt agtgtttgta 60

ataacagaat cagctcctga atctgctctt atcaccaaac ttcctggttt cgaaggcact 120

tttccttcga aacattactc cgggtatgtg acaattgata aggaacatgg aaagaatcta 180

tggtattact ttattgaatc ggagaagaat ccatca 216

<210> 12325
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-F8

<400> 12325

cagaaaaaaa ataacaacaa caacaataat ggcgtctttt gcaacccatc ttgttgttgt 60

tgttacaatg ttgtttgtag ccatggcctc cgcggagatg cttcaagatg tttgtgttgc 120

tgatttgtct aatgcggtca aggtcaacgg atacacttgc aaggactcaa cacaaataac 180

accagaagac ttctacttca aaggcttagc caacattgcc gccacaaaca cctctaccgg 240

ctcagtcgtg accggagcca acgtagaaaa gctaccggga ctcaacactc tcggcctctc 300

catgtcccgc atcgactacg ccccaaacgg cctaaaccca ccccatgtcn acccacgtgc 360

ctccgagcat cattttccgt ccttggaggt caagctct 398

<210> 12326
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-A2

<400> 12326

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acgttagctt ctgtcatcct ttacgctctt cttctccaaa ggtctcactt cgcagttccg 120

ttcatttcgc gacgagtctt tcctcaagtc actccatttc tgggcttcgc gctgttttgc 180

ctctgaagat ttctacagtt gcttccccca attctcaaaa gcttcattct tttaccgttt 240

tcgctcataa gggctacaag atgaagaccc acaaggcctc agcgaagcgg ttcagagtga 300

cgggtagagg gaagattgtg aggaggagat ctgggaaagc angcatttgt tagctaagaa 360

gaacaacang aggaaattac gtctatccga aaatgacggn agtgaaccgg gagcgactat 420

gacaacgtga ttg 433

<210> 12327
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-A4

<400> 12327

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gagctgcgan gatgcaagca gtaaaaagat ccaggagaca tgttgaagaa gagccaacaa 180

tggtagaacc taaaaccaag tacgatcgtc agctcangat ttgggggga agtaagtcaa 240

gcggncttgg ganaagccga gtatctgttt actcaattgt ggncctactg gttccgangc 300

tttgaagaat ctcgtacttg gtggtgttgg taacatcacc gttgttgatg gatntaaggt 360

tcaatttggt gaccttggga acaatttcat ggtcgatgcc aagaatgttg gccaatcaaa 420

aanccaaaat ctgtttggtg ccgtttctcc aagagcctaa tgattccgtt aaacgccaaa 480

gtttaantga agg 493

<210> 12328
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-A6

<400> 12328

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caaggagatc cgtgtgctcc tcagctttat cggtgggaag gtttaaattg tanttatccg 120

gactccgagg gatcaagaat catatccttg aacttgaatg ggagcgantt gacaggttct 180

ataacatctg acatatccaa gctaacactg ttgacagtat tagatttatc acataatgat 240

ttatcaggag atattccaac atttttgct gagatgaagt cgttgaagct catanactta 300

agtggaanac ccgaaccttа atctcacagc aantcccaga ctctcttcag caanggggta 360

aaacagcaaa tcctttaaca ctaattttgg gtggnaaacc tgactccgac tcccananna 420

cnagag 426

<210> 12329
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-B1

<400> 12329

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tctttttttg gtggtttgga caatcttcct gtgttcttag ctcgacaaac tatacccggg 120

gttggtattg tggttgatcc atgtgctgca cttttgatta tgattgtcac gatactacta 180

tgttttggga taaaggagag ttcaacagta caagcaattg taacatcagt gaatgtttgc 240

accttggntt tcatcanagt aagttggtgg atatttagct tgcaagactg gatgggttgg 300

atatgatctc cccaatgggt actttccttt tggactaaat gggatactgc cgggatnctg 360

ccgtannant cctctcanac attggaattt gatactgtaa ccaagtacgg ctgangaang 420

gtgaaaaaa 429

<210> 12330
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-B3

<400> 12330

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caaagatgga ttgtttcagg atctcaatat tgcaaacaag cagcttcggt ttcttgcaag 120

gtttcttatg gtgtgtttgg ttcttggccg ccgtgagatg gtgcatcaac tcgttgatca 180

gtttaaacgg ttgattgatg aatgcaagag gacattccag gaaaccgatt ttaaggaatg 240

gaaggtggtg gcgcaggaaa tagttagatt tctgaaatcg gacactgcat tcatgaacat 300

tagacctcta agatacagtc ttgtattgga tcctaatctg gatgctggta ctccgcgtgc 360

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aagta 425

<210> 12331
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-B4

<400> 12331

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aaaagaggca catcgagtgg atgactaaac acggccgtgt ctacgcggat gtgaaggagg 180

aaaacaatcg ctacgttgtg ttcaaaaaca acgtcgaacg cattgaacat ttaaatagca 240

ttccctgccg gaagaacttc aaacttgcgg taaatcagtt tgctgattaa ncaaatgacg 300

aaattccgtc caatggtaaa ctgggttcaa aaggttccnc ggnaataacc aaccaaaagg 360

caaaactaaa atgtcgccgt ttaggtacca aaacgtttct tctggtgctt tgccggtttc 420

tgttgactgg g 431

<210> 12332
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-B6

<400> 12332

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atcagatctg gacgatggct tcacaaatct ctcagcttgc ttgtttctca tccaccaatc 120

gccaatttca cttccaaagc cgatcgtttc catgccctat gattcgtccc cagtcttttg 180

tagttaaaag tgttgatggg aatagctctg aaacaccaag cttctctaag ctatacanct 240

gaggtttcaa aacctgttgt tganaaaaca tccaaaccgt attccactgt tgatgaaact 300

gctaccaata aagagagcat cacagagnca agtagaggaa gatgttgcca cacaancant 360

aagagcagca aagatccacg acntctgttt cggcattcct t 401

<210> 12333
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-B7

<400> 12333

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ttgtggnact acnanatgtc caanagggaa anatctcang ggtacaaccg cttcaaccag 120

aattgccttc gcanttttg acgtanatga naatccgtaa tatgaaaccg attcctccat 180

gaatgatctc gtctcgtgtg taaatgaagt gtgtacatat tatacattac ataaaccact 240

gcggcggtta aaaatcgctg tcgttttgcg cgattacata agctttttcc atttttaaaa 300

taaaaatgtc cagaatgtgg gatgtaagtt ncgaatgaag aagccggatg ttaancattt 360

ggcctgattt ccttttacat caatacttgg g 391

<210> 12334
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-077-Q1-E1-B8

<400> 12334

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ttatcatata ccctattata aaccaaactt tgatcctcga atatatttta ttaaaaagat 180

aatattcgtg tttctcatgt tggagtcata ataaagaaac ctttgtgttt taatttaatc 240

ccctccaaga aacctgaaga ttctaagaag ctgccattaa aactaataaa ggaagagagt 300

ccaaagaaga agaagaagaa gagaaaatgt cacgtcttga cgacatacct tcaagcccag 360

gcaaattcaa gatggagaaa tcttcctact tgcatcgtct cagattccaa tcttctctca 420

caa 423

<210> 12335
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-C1

<400> 12335

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aagagcagtg tgttgggagg aacagttcct gtaaccagga ttatagatga agagagtaga 120

accaaggtac agccttttgg taatcttcag caacggcttg cgcaagataa agatctgtct 180

aagctcctca cggttatagt ctctgatctt gagacaactg gtttgcatcg gaaaaatgag 240

cggataattg aaattgcagc tcaggatata gctggtggtg gggtacagca catttcaaac 300

tcttgtcaac ccgggtgttg ttcctataac taacgcacat atccatggga atcacgaatg 360

atatgggccg tccanccnna ggttccaaag gattggaana nctgataccg atatttccgn 420

cggnatgttg aaaag 435

<210> 12336
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-C11

<400> 12336

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gactcagnca aatgctccgg cgatggcgta acaaagcgcg gttatcttcg gtcagccgtt 180

gtgtaccgtc ggatgttcca tctggacacg tggcagtttg tgtgggtagc ggttgcagga 240

gatttgtggt gcgtgcgtcg tacctgaacc atcctatcat aagcaatctt ctggttcaag 300

ctgaggaaga gtttggtttt gctaaccaag gaccgttggt tantccttgc gannaatcgg 360

ttttcgaana agcgatncgg tttatatccc ggtctgattc ntc 403

<210> 12337
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-C12

<400> 12337

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ctaggtaggc agtcttcgct tgcgccggaa tcaagaaccc cgattgatac gttaacggaa 180

gatgaggacg acgacttggc tgcggcggct acagctggga tcggggatcc gacgattcgt 240

ttaatgtatt tagccaacga aggtgatatc gatggcatca ataagatgct tgattcgggt 300

actaatgttg attaccgtga catcgatgcc cgtactgctc ttcacgtcgc cgcttgtcaa 360

ggacgaaccg atgtcgttga gctgctgctt agccgtggtg ctaaggttga tacgaaggac 420

cgatggggta gtacgcctct tgcagatgca gtgtattaca aaaa 464

<210> 12338

<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-C2

<400> 12338

cattcaattc ccaaaccaaa cagagcagaa gaacaacaag ttttgattct aaaaaaggaa 60

gcttcccaag tatggatccg tcggagtatt ttgccggcgg caatccttcc gatcaacaga 120

accagaagcg gcagcttcag atctgtggtc ctcgtccttc acctcttagt gttcacaaag 180

actctcacaa aatcaagaaa cctccaaaac accctgcgcc gccgccaaat cgtgaccaac 240

cgccgccgta tattcctaag agagccggtg gttatctacg ccgtatcccc caaggttgta 300

nacgcaaccg cgtctgagtt catgaacgta gtccaagcga ctcacaggga tctcctcctg 360

gtgttttcct cgaatctggc ggcggtggag atgtttcacc ggcggcgagg ctagcgtcca 420

cggaaaatgc tat 433

<210> 12339
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-C4

<400> 12339

agcctncggg ttncacaaag agtggnggga aaagattcat gtcacattga acagtaatcc 60

ttacatgata acttttggat tagtccaaga ttctattctc tcagattcca gattttgatc 120

aactttggtg gctctcaatc ctcgccgccg ttatgtcctt cacttattcc tcagccggtc 180

tcgccctcgg catancccaa gttgtcgtta atgggaaggt gaagggaagt ctcactggga 240

ttagcatagg agcagtaaca gagacacaga agatatggag gacctttcaa gctcttggag 300

acattgcttt tgcttactcc tactccatta tcctcatcng agattcaagg acacagtgaa 360

gtcaccacca tcagaagaga agacaatgaa gaaaggaaca cttgtgagcg tcagtgtaac 420

gactatgttc aanaagttgg gtgggg 446

<210> 12340

<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-A10

<400> 12340

cctcttctcc acgttctcag agttagttac acagctttca acgatgaatc agctcgcgct 60

ttcaagatcc ggttacaccg ccgccgtgag gtttctccct atgctttccg cagctgttcc 120

gaagatctta tcatctctcg ccgccgcatc caccgtccgc aacttcagct ctaccggaag 180

tcctctcacc agctaccaaa tcantaaacc ttcgccgtca aaatccttca cttccaggct 240

tctccaccaa tcctcctccg ccggtactcc tccgcaacaa cttttcggcg cccgtagctt 300

ctcanctccc agcagtgatt tcaacagcta ccacattaat ccgncgtcta actgggggaa 360

tccgnatcgt gccggagagg aaagcntgtg tgagttganc gggg 404

<210> 12341
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-076-Q1-E1-F10

<400> 12341

ccggcgagtt cgactcggtg attgattttt tcctagaaaa ataaaatttc ttcttaacga 60

ttgatcgatt ttggttttct atctttcgat tctagatcta gaattcaatt tgtgaggttt 120

ggagatggcg agcgagctga tcaatcggcg acacgagacg gatcaaccaa ccgccgatgc 180

ttattacccg aaaccaatca aaccatggtt cacggtgact cgtccgatgc gttacatgct 240

ccgtgaacag agacttatct tcgttctcgt tggcattgca atcgctactt tggttttcac 300

aattttccct cgctccacac aatcaacccc ttactcggat cctttctccg gttacggaat 360

ccgaacccga cgaatcgtac gttccggcta a 391

<210> 12342
<211> 361
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-076-Q1-E1-F2

<400> 12342

aggacacagc atctgaaatc gtacaagtat ctgaagaaca taaattaaaa atctttactt 60

tgtaataatg gcatcagagt tttgatcgga gaatctaaaa gtctcgactt ttcgaatttt 120

gttggtcgct ttcttaagga catgaatctc gcggtggcta gttttcgcgg caatttcggc 180

gtcttgtcgc aatgcagctc atgttgtagt cttcagtttc aagccttttg tagctgctac 240

ttccagtctc aaatttttgg ggcaaacaag gaacatctcc aaagggaaag aaggattctg 300

aaancttgaa aaaagtttca agaaagagaa gagacctttg ggntaagagg tgacgggaga 360

c 361

<210> 12343
<211> 356
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-F4

<400> 12343

tctttcattc ttggctggtg ttatgacatg gtcacagatc actgatttgc cattttcttt 60

gtactcaact ttcgtgatcg agtctcggca tgggttcaac aaacaaacaa tatggatgtt 120

cattagggac atgatcaaag gaacattcct ctctgtcata ctaggcccac ccattgttgc 180

tgcgataatt ttcatagtcc aagaaaggag gtccttatct tgccatctat ctgtggggat 240

tcatgtttat cctgtctcct aagtgatgat gactatatan ccgggtcttg atancaacgc 300

tcttcaacaa gttcantcct cctccaaatg ggngacctcc gggganaaga attgag 356

<210> 12344
<211> 245
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-F5

<400> 12344

gatcgtagag aagtctacct cgtagacatc tctctcacaa atccaattca attaccattg 60

tttgttatta tctgatgtcg aatatgcaat tctctcgtgg ttttaatccc tttgttatcc 120

tcttctgtcn cgccgtggtt gcaccaatta tatcggntga tgtcgctatc ttgagaacgg 180

actattacca ngnaacatgt cctgatttcn acanaattgg tgcngtngaa ncnggtnacn 240

ancca 245

<210> 12345
<211> 365
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-076-Q1-E1-F6

<400> 12345

aaaaaaaatc gacaacagtg cagacacacg ccgatttgcg agatacacac agtctcacct 60

aaaaatcgca aaagaagaaa aattcggatc aaaattgtct tcaagcatca tggatccata 120

cagggttcgt ccttcaagcg ctcatgattc ccctttcttc actacaaact cgggtgctcc 180

tgtctggaac aacaactctt ctttgactgt cggaactcga ggtccaatcc ttctggagga 240

ctatcatctg cttgagaaac tcgctaactt tgacagggag cggattcctg agagggttgt 300

tcatgccagg ggaaccagtg ctaagggttt ccttgaagtc actcatggac attgccaact 360

tactt 365

<210> 12346
<211> 330
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-F8

<400> 12346

acggtagcgt ctgggctcag agcaacaatt ttcctcaggt gaagcctgag gaaattcagg 60

gcatcaaaga cgatttttact acacctggaa cacttgcccc aacaggattg ttccttggtg 120

gtaacaagta catggtaatc caaggagagc ctaatgccgt cattcgagga aagaagggag 180

ctggtgggtg ttaccatcaa naagaccacc ttagctttgg tatttggtat ctatgatgaa 240

ccantgactc ctggacaatg caatatggtt gtggagaatc tcggtgagta actgattgaa 300

tcngggctct gaaacttaag ctgctactat 330

<210> 12347
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-G2

<400> 12347

tacaaaaaat aaaaatcctt aaaaatatat ccttatcttc aaccaagaat gggagaggtc 60

caagaaggtc ccaaagttga acaagagaag aagccggctg ccaccgtagt cccagttgag 120

actactgacg gcaagccaaa gagcggcgga ggagattccg cggcagcagc agcaccaccg 180

gtcgccgcgg ttgtctctgc ctttgtttac aaagtggata tgcactgtga aggctgcgct 240

aaagaagata aaagcnaatg gttaangcac tttgatggag tgaaagatgt gacggcanga 300

tactgggtgg aaannaagct tttgggtggt cggaaaagat tgaatccaag tgaaaactcc 360

aggnagaant tgggannngan gaaanccg 388

<210> 12348
<211> 378
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-G4

<400> 12348

gacaagctta gatctctcca cagttctttc gttatcttcc ttccacattg acacttgcct 60

taagaagagg gccaaagaaa ggatctggaa ttctttcttc ttcaagattt gtaaatgggt 120

gttagttctt caaagatcta aaatatcaag atcaggaaga aatgggaggt gacttgaaaa 180

gccagctatc tagagagagc catgtgtttg gacttaaggt gtgggaagta attggtatag 240

ctgttgcatt gctcatcata gctatcctct ctgttcnttc gtgttgtcnt acttcgaaaa 300

agaaatcaag aagatngaaa accggtcttc cggttaacca aactcctccc ggtgggtctc 360

caaagagatc agagaaag 378

<210> 12349
<211> 368

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-G6

<400> 12349

tgtgtangtt tttgaagcat taggcaatat gaaattccct tacgtttatc ctgatccaca 60

aagtcgtaga cttcgtgatg cactggctca agactctggt ttggagtctg aatacatact 120

tgtaggctgt ggtgctgacg ancttattga tttgatcatg agatgcgtgt tacatcctgg 180

ggagaagatt atagattgtc ctccaacttt ctcaatgtat gtgtttgatg cggctgtgaa 240

tggancaggt gtcattaaca gttccaaaga aaccccgatt tcagcttgaa tgtagaccgc 300

atcgctgaag ttgtagaact anaagaacca aatgcntact cntancntct cccaacaatc 360

cagatggg 368

<210> 12350
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-H10

<400> 12350

tcgttcttca cttttagaca agcaaatatg agacccccag ttacaggagg acgtggtggt 60

ggaggattca gaggtggaag agatggtggt ggaagaggtt ttggaggtgg aagaagcttt 120

ggaggangcc gtaatggtga cagangccgt actgggcctc gcggcagagg acgtggtgcg 180

cctccttggt ccttggagga acaacctcgt ggaggaatga aanganggaa ancaaaagtg 240

attgttgagc ctcaacagac atgnngggag tgtttaattg ctaagggtaa agaanatgcn 300

cttgtcacta aaaattttgg ttccgggtga aacctgttta caatgacgan aanaacccct 360

ngttcaaaat gaannatgga actangggtt tnaattacag aagntttngg nacccngttt 420

aaantt 426

<210> 12351
<211> 53
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-H11

<400> 12351

ggangggatt tcaccggtta aatcgttgna gtcgaggatc agagtctcta tng 53

<210> 12352
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-H12

<400> 12352

ttcttcatcg tctcancttc ttcgtcttct tcattattaa ccctaaatct agccgcaact 60

acctctctct ctaggtctct ttctctatct ccctctgttt actcccacag ctctaaaanc 120

gttttcgaat cgtcacanct ggagaaggaa gctaatcact ttctcatttt ggaactttga 180

ggaganatct gaaagttttt tnttttttgt tgttgttctg gatcgttcct gttccactct 240

cttcatcttc cgatcatcgt tattttcgaa gctctctaca aacaaaatcg attttttttc 300

tggttaatct aaagaggtga ccgaaagaag aaaactttta cgttttgcat gggggtaaga 360

atggcagang ttaagaacnt ggangcangg gagatcgaga cgccttgg 408

<210> 12353
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-H2

<400> 12353

tgctccgctt aagcaccatg aaggtcaccg tcgtctcccg cagcggcaga gaagtcctca 60

aagctcccct tgacctcccc gattcggcga ctgttgctga tctgcaagaa gcgtttcata 120

agagagctaa gaagttttac ccgtcgaggc aaagactgac tcttcccgtg actcctggat 180

cgaaggacaa acctgttgtc ctcaatagca agaaatcact gaaaggagta ctgtgatgga 240

aacaacaact ccttaactgt agtccttcaa agaactgggg ggcacaaatt tcctaancgc 300

anantcttcc tccttcgaag taatccttgg gnctctcct taannctacc cctggtcctt 360

ttaactaacn ttcccctggt ttaacaaatg 390

<210> 12354
<211> 369
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-H4

<400> 12354

aacaatagag agagcgagtg aggattagcc acaatgtatc ttcctctcct ctatcttctg 60

tttctggctt cttgcttgac acatcaagct ttaggccgtg gtcgtggccg gccatcaccg 120

gaaggaagct tggatccttc ttctcgcatc accgtagtcg gagttgtcta ctgtgacacg 180

tgttctatca acactttctc aagacaaagc tatttcttac aagggtgtgg gaagttcatg 240

tgacatgtag attcaaaagc aaagnttaac caaagnacaa cnananggga ngtgaacata 300

tcaantannc aagaacaanc aagacangaa antggccgtt gtacaagctc naagattccc 360

tcacgtaag 369

<210> 12355
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-H6

<400> 12355

tgtaatgctg ctgcgagata aaatgaacaa tgaagaagcg gagacctgtt gacttcaaat 60

aattttaatt agtttcttct gtgcgataga gatcgatcga gagatgggtg cttcatcatc 120

atcatctgtg tcggagaaat caatccatca attcaccgtc aaggatagct ccggcaagga 180

ggttgaccta agcgtgtatc aagggaaagt gctgctccgt cgtcaacgtc gcttccaaat 240

gcgggatttc acgggagtcc aatttacacc caagctgacg gaactttaac cgggaaatna 300

ttaaagatta agggtttggt ggtaattggg gggtttccct tgcaaccaag ttttctggtc 360

cccaangaag cctgggcacc aagcgaaaga agg 393

<210> 12356
<211> 367
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-H8

<400> 12356

ttcaattaac tctcttcttt ttttttttt tttggntttt catttaagtc tattcaatca 60

tggaaaccgg tttaaacatc ttaaagctat cgctatgcgt cagcctantc gtggttggat 120

catatgctca agctcccgca ccatggaatc catctaatgg gtttcgtccg gggacatgtg 180

ancactacga gtgtcccacc tanaaattgg tanaggccgg atacggnttt gagatncgca 240

agtncgangc tgccctaagg atatctacta ntcctanccc ctccctatcc atgactcaag 300

ccancaaaac cggtttccga cgattaaata ggtacataga aggngataac aaagagcaac 360

gttaaga 367

<210> 12357
<211> 370
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-F1

<400> 12357

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gtgtttattt ttatgacgga naagatgaac acacttgtaa tctatcagac tctaactgtt 120

actgttggtg ttttctaatg ctgtcggcaa gacactatct ttaggactgc tagggagttt 180

agaggttaca cagttgactt tttctatcaa ggttataggt ttagtattgt taatatatag 240

aaatggaagc caagatcgtc aaggtgttgg atagtagtag gtgtgaagat ggaattcgga 300

aaaaagagga agcgcgcagc aagctatgcc tgcatatgtt actgggangt ttcctgtgca 360

aaancctgca 370

<210> 12358
<211> 447
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-A1

<400> 12358

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tcctcggcgg cggcgtctct gccggatacg cagctaagga gtttgccaat caaggggttc 120

aaccaggaga attggctgtt atctcgaaag aggcggtggc tccatatgaa cgccctgcac 180

ttagcaaggg gtatttgttt cctgaanggg ctgctaaact tccaaggttt ccattgctgt 240

gttggtagtg gtggagaaaa actgcttcct gaatcctaca agcagaaagg aatttgagtt 300

gatactaagc acagaaataa gtgaaagctg atntcctctg ncaaagaatc cttgtcaatt 360

gcaactgggg ggaatgtcct caagtntcaa nacgccncan aantnccaac tgggttcaac 420

nggttcncaa aattgcccga anttttg 447

<210> 12359
<211> 371
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-C2

<400> 12359

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aagatggtga acgctatggt ggagagagcg acgagcgaga tgctgatcgg gcctgattgg 120

gctatgaacc tcgagatctg tgatatgctc aatagcgatc cagcgcaagc aaaagatgtt 180

gtgaaaggca ttaaaaaacg gattgggtag caggaatcca aaagctcagc ttcttgcctt 240

aaactctgct tgagacaata gtgaaagaac tgtggtgaca tggttcatat gcatgtggct 300

gaaaaaggtg ttattcatga gatggtccgg atagtttaag aaaaagccgg acntccatgt 360

caaaganaaa a 371

<210> 12360
<211> 378
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-C3

<400> 12360

aaaaatggca accatttcga atctcgctaa tcttccccgc gccacctgcg tcgactccaa 60

atcttcttcc tcttcctccg tcttacctag atccttcgtc aatttccgcg ctttgaatgc 120

aaagctttcc tcttctcagc tttctcttcg ttataaccaa cgatcaatac cttccctctc 180

tgtgaggtgt tcagtgtctg gtggaaatgg aactgctgga aagagaacga ctcttcatga 240

tntatatgag aaggaanggt catgagtcct tgggtatgaa aaanctttgg ncgtccaagt 300

cacagatnnt ncncccgttg aagtggcccg tgggggttan gaggtgttnn ggaggccaag 360

ccccngngaa tttttttg 378

<210> 12361
<211> 370
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-C5

<400> 12361

aaactaaaaa agagaacccc aaagaatcga atatttatta tttcgccccg aagattctat 60

ttctgatcat ttacacccct aaaaagagta gagctttcgt gaagccacca tgtgtggagg 120

agctataatc tccgatttca tacctccgcc gaggtccctc cgcgtcacta acgagtttat 180

ctggccggat ctgaaaaaca aagtgaaagc ttcaaanaan gagatcnann aancgatcng 240

gatttcttcg atcttgacga tgatttcgaa gcctgatttc caaggggttt aanggatgac 300

tcnggctttt gactgcgaag acgatgatga tgtcntcgnc aatgttgaaa gccnttcgtc 360

ttcaccggcg 370

<210> 12362
<211> 368
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-C6

<400> 12362

aaatgttgaa cttatgagct aaaaaagctt ctcctcctta ccaaagactc gacggtctac 60

cggaaaaaat ggctgccaat ttctggaatt catctcacta taaacagctt ttggatccag 120

aagaagtcga cgtagttcat gatctcgata aagaacgtgg aatctcaatt gatgatttta 180

agctcatcaa gttccatatg tctaatcata ttatgaaatt ggctcagcac attaaagtga 240

ggcaaagggt tgtagctact gcaattacgt atatgagacg ggtttatatc agaaagagta 300

tggtaagagt ttgagcctcg acttgttgct cttacgtgct tgtacctgnc aatctaaagc 360

tgnangag 368

<210> 12363
<211> 369
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-C7

<400> 12363

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tatggctagt ggaatcgctc gtggtcgttt agctgaagag aggaaatcgt ggaggaagaa 120

tcatcctcat ggttttgtgg caaanccgga nacggggcag gatggaactg tgaatctaat 180

ggtgtggcat tgcactatac ctgggtaaag ctgggactga ttgggaaggt ggattctttc 240

cattaancga tgcacttcag tgnaggatta tccgatgcaa acctccgana ntgtanagtt 300

tccacanggg gtttttcnaa cccctaantg tccnannccc gtcangnnaa antgtctgtc 360

ctctcnntg 369

<210> 12364
<211> 366
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-C8

<400> 12364

ccaacttctt gtgacggagc tcaagtcgag agagagaaga ctgtactagt agtagtagct 60

gtggattttt gtgtcatcat cggagatcgg aatcttcttc ttcttcttct tcttggagct 120

tctagaagtg ganagaaggg ggaagatcaa gcgacggata ctgatangtt ttgctgtatg 180

tcagtggatt gtgttgaaac tgattttggt ggatttggag gaacttgtga accctattca 240

atggnctcag cttcgaaaaa gacgtcggga tgtcctcacc acggtggggt ctcttccgcc 300

tcccaaactc gtctcccgct gctcncgata ccgttgctgt anggtcctga cgcngaccga 360

tcancg 366

<210> 12365
<211> 291
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-D1

<400> 12365

aaagatctct cttcaaagct tccaccatgt ttctccgatc actcaatctc tgtacaatac 60

tactcttcct agcgatttca tcacaagttt ctcaatctct ccacttcgaa ttgcaatctg 120

gtcgaacaaa atgtatatcg gaagacatan naagcaattc aatgaccgtc gggaaggtac 180

accgtcggtt aaccctaacg gaaggctcan ncnttctcnt cantctcaca agatctccat 240

caggagtgan catcgangtt acggggaana acggtnanna ancangcggg a 291

<210> 12366
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-D12

<400> 12366

agagagcatt atcaattant aacaattaca cannacancg agattgnaan agagtangag 60

agagagaatg gcaggagagg cagaggcttt ggccacgacg gcaccgttag ctccggtcac 120

cagtcagcga aaattacgga acgatttggn ggaaacatta ccaanaccat acatggcaag 180

agcattagca gctccagata cagagcatcc gaatggaaca gaaggtcacg atngcaaagg 240

aatgagtgtt atgcaacaac atgttgcttt cttcgaccaa nacgacgatg gaatcgtcta 300

tccttgggag acttataagg gatttcgtga ccttggtttc aacccaattt cctctatctt 360

ttggacctta ctcataaact tagccgttca acctacgtta ca 402

<210> 12367
<211> 361
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-D2

<400> 12367

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tgtcatctcc aaggagttgt tcatcgagat ctaaaaccag agaacttctt gtacacttcc 120

aaggaggaga attctatgtt gaaagtcata gattttggct tatcggactt tgtcagacca 180

gacgaaagac taaatgatat agtgggaagt gcatattacg tagcccctga agttctacac 240

agatcttata ccacagaagc ggatgtatgg agcataggag tcatagcata cattctccta 300

tgtggaagcc gtccttttg ggcaangaac tgaaatcagg gaattttcag agcagttcta 360

g 361

<210> 12368
<211> 360
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-D4

<400> 12368

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tcctgctccg aatctagaat gtcgtatgta cgaatcgaga taccctgatg tagacatggc 120

ggtgatgatt caggtgaaga ccatcgctga catgggagct tacgtatctc tccttgaata 180

caacaacatc gaaggaatga tcctgttctc cgagctctct cgccgtcgga ttcgtagtat 240

cagtagctta atcaaggtcg gtcgtaccga ncctgttatg ggccttccgt gtccataaga 300

gaanagaggt tacattgatc tcagtaaacg tagggttagt gatnaaggac naangaggct 360

<210> 12369
<211> 364

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-D5

<400> 12369

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aaccaccttg gaggagcaaa ggctttcaga acagtatagg gaagatgtca tgtttgcttc 120

tcaggtgtat cttgtgaatc agtgcttgaa gcttgagtgc ccccaccttc agttgtcact 180

ttgtcaagaa ctcgaagaan aaataagccg cgcaggaaaa accaaaagat tcaatcaaga 240

aaataacctc atcgtttcaa gaaaagaagt tggacgcctt cttanaagta cagggcttga 300

ttgggctaaa gaacatgatg tggatggcta caccgtggga tgttgctctg gtncgagaag 360

aaag 364

<210> 12370
<211> 358
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-D7

<400> 12370

caatccaaag ccaataacca acagcaacgt accacttcaa gatgaaaaga agcaggatgc 60

atcgagaacc ctagctattt ttcangctca caatcagaaa tggcatccct ttgtttcaat 120

ttgtggtcga tgataacagc agcagcagca ggagcattct cggggctaca atgaaaagct 180

cagattcatc gttcaaagat gattctgttc agtactgcac attctactct gttaatgaag 240

tcaanangaa naanagtgga agctggctaa tccatggaca caganagaan cattgngggt 300

tcgtctacaa catanncgtg tncnaatgnc anttggggag aantcgntgg agncgtag 358

<210> 12371
<211> 360
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-076-Q1-E1-D8

<400> 12371

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agacgaccac ttagtattcc tctccggagc gtaaaaacct tcaagcctct agcattcttc 120

gatctcaaag gaggcaaagg aatgagtgag ttccatgagg ttgaactcaa agttcgtgat 180

tatgaattgg atcagtttgg tgttgtgaac aatgctgttt acgcaaacta ctgtcaacac 240

ggtcgacatg agtttctaga gagtatcggt atcaactgcg acgaagtagc acgttctggg 300

gaagccttag caatttcaga gttgacaatg aagttccttt caccttaca gcggagacaa 360

<210> 12372
<211> 347
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-E1

<400> 12372

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tcaacaatct caagggagga gataagagca gattctccac cgtattcacc gagaacgatg 120

cggatcagta ctctctcgtc ttcgctaatt gtctccaaca ggtcaaaatc agtatggatg 180

ttagatccgc tatgtataac cttgaaggta aaaagggagg tcgtgattat ctctctgctg 240

gaagaantgt tcttcctaag gtcaatttct tattcccggt taacgaattt ctgnngnnng 300

ngcnaggtgn gnnngnagcn ttccncagat nganaagccg tgcnnna 347

<210> 12373
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-076-Q1-E1-C12

<400> 12373

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gtttaactgt gatagttata tcaactcttt gttggtgtct ttggctctac gccaaatgca 120

aacggcggtc tccaccgttg ccgccgggac cttggggcct tcccattatc ggaaaccttc 180

cattcctcca accggagctt cacacctact tccaagggct ggctaaaaag cacggtccca 240

ttttcaaact ctggctcggg gccaagctca caatcgtggt cacctcttct gaagtagcgc 300

aagagattct caaaacgaat gacatcatct tcgcgaacca cgatgtccct gctgtgggcc 360

ctgttaacac gtatggtggg tacggagata 390

<210> 12374
<211> 226
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-E11

<400> 12374

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gaaatctaaa tctagtcgga tctctagatt cgtatcanga ctttcaacan tctcctaaac 120

atggtggatc tctcgttgtt gaaactggtt tcccaacttc tttaatcgat ntctttgtta 180

agaatcncga tngtctcaaa aaagaatctt caaaacntaa caacag 226

<210> 12375
<211> 235
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-E5

<400> 12375

ttcttctagg cttctttcta ccacaaacac aanagcgcgt tttcttcacg ccggcnaaca 60

acgtcaggag tcatggccac cggagatggg aaatcggtga tggtcgtcgg agttgacgac 120

agcnagcaga gcacttacgc cttggagtng acgctcgatc gtttcttcnc tccttacgct 180

cccaagntag ccntttaagc ncttcatcgc nccaggccaa anctaanacn gtctc 235

<210> 12376
<211> 367
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-E7

<400> 12376

ctctctatca cactactact actcacatca tggctttctc cactagaggc tccctcttat 60

tcttcttcac tacacttgtt cttctctcca cccaaatcca tgcaagagac agttacttct 120

ttggaaaatt ccacagagaa tcccccaaag atcaaaaccc taacagtttc atccctcttg 180

agactagcga gaaaaccaca gtagaagaat ccgtcctcaa caagaaagag caagaacaag 240

atcctacctt tgtccccgag tccggaaacg ggtatggctt gtaaggtcac gaagaccaca 300

tacancaaca acaacgacaa caaagaagag ttcaaacaac aacaaacaag aacgatgaag 360

naagtcg 367

<210> 12377
<211> 353
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-076-Q1-E1-E8

<400> 12377

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aggcaatggc gtacaagctt atatctctta cagagttatc accaagacta acttgccgga 180

gtaccaagga cccgagaaga ttgttattag acgatacagt gatttcgtct ggttacggga 240

tcggcttttt gaaaagtaca agggcatttt cattcctcct cttccagaga agagtgctgt 300

agaaaaattc cgctttagtg ccgaatttat tgaaatgagg cgagcagcat tgg 353

<210> 12378
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-G5

<400> 12378

tcttcttcgt attcgccttt gaattcgcag agtgagaagc aatgaaggtg agatcatctg 60

tgaagaagat gtgtgagttt tgtaaaacag tgaaacgtcg tggacgtgtg tatgttatat 120

gctcttccaa tcctaagcac aagcaaagac aagggttcag ttcctttgct tatgaaggaa 180

ttacaccttc ccctttgttt gctgagccga ttgctagtca ggagttggtg aggctgcctg 240

gtcagggggt atcanccgga ctggcatcac ttttacacaa anggcctatg ccaacagcgt 300

atttcggatg gaggtctggt cttgcatcca ttctcttcaa acaaggaaat taggatgtca 360

gcatttccct ttttattctt cagatttgta atcgcagttt tcttccaatt c 411

<210> 12379
<211> 66
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-G6

<400> 12379

ccttcaaaat tgtcnccant ggcgtcaaga atatcaagac cgacaagccc ttcggaatta 60

acngca 66

<210> 12380
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-G8

<400> 12380

gccatanaag acatacacaa gaacgagatt ctcttcagag gttcatcccc cgagttactg 60

atgttggatc aatccggata tctacagatt gtagacttca gattcgccaa gaaattgtcc 120

ggggaacgaa catttacaat ctgtggaaat gcangattat ttagccccan aaattgttca 180

aggcaaaggc catggttatg cagctgactg gtgggctctt ggagttttga tctactatat 240

gctaagaagg agaaatgcca ttcgggtcat ggacagagag cgagctcgac acgtttcana 300

agattgcaaa angccaacta actttccctc caattctaag ctcagaagct gaagatntca 360

tcacaaagtt gcttgaaagt tgatgaaaac tgcggtttgg t 401

<210> 12381
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-H1

<400> 12381

acatttacgc tttcttgcaa tcaaattttc cgatcttaag ttcagaagac gatgtcagag 60

gtggaaatag agaacgctgc tacgatcgaa ggaaacaccg ctgcggatgc gccggtgacg 120

gatgcggccg ttgagaagaa gcctgcagcg aaaggacgaa agacgaagaa tgttaaggaa 180

gtgaaggaga agaagactgt tgctgccgct ccgaagaaga aaantgnttc aacccaaccn 240

aattnncaag agannantaa ngggtgccaa tgntaccttg aaagagagaa ntgggtntaa 300

ccaatacgcg antcacaaan ttcatccagg gngaancnta angngncttc cctccaacat 360

tcacaaaact gttgcttctc aatctnaaga gaccnctgct tctgggaanc ttttgaaagt 420

cana 424

<210> 12382
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-H10

<400> 12382

tttttaaaat acaaaaaata aaacttatta agcaattctt tattaggttt ctcgtggcga 60

tggagaattc ttacgactca agcaagtggt ctgattctac aactccatat atggtctcgt 120

ggtcactaca atctgagtcc tctgattctg attggaaccg gtttaatctt ggcttctctt 180

cttcctcctt cggtggtaat ttcccggctg atgattgtgt cggtgggatc gaaaaagctg 240

agtcactttc aagaagccac cgtctagcgg agaaaagacg ccgtgaccgg ataaattctc 300

acctcactgc tctccggaaa cttgtcccca attccgacaa gttagacaaa gcagctctat 360

tagcaacagt gattgaacaa gtgaaagaac tcaaacaaaa agcaaganga atcacg 416

<210> 12383
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-H12

<400> 12383

ctctcaatga ttttcacaac atgctttcaa ctgaaccaga tcgggcatgc tatggaccaa 60

aacacgtgga agttgcaaat gaacgaatgg caattcaaac gcttctcata acggacganc 120

ttttcaggaa ttctgacgtg aaaacaagga agaagtatgt gaatttggtg gagtcggtaa 180

aagattcggg aggagatgct tttatatttt cggcgatgca tgtgtcagga gaacaattgg 240

gcacagctga ctggaatagc agctcttctc aggttccctt tancaagaac tcggaagaca 300

ttganatgta aaaaaatctt cggcttatag aaaacantac ancangatca tacacatctc 360

tcataantta tagtttattt gtactcagtg tccataaang agattggaac ccant 415

<210> 12384
<211> 113
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-H2

<400> 12384

actccccncc gcattcaang tagtccaact actaanatcc caaggaatca cgcgagtcag 60

aatcttcgac gcagacncat cagttctcaa agcattancc ggatctggaa tca 113

<210> 12385
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-H3

<400> 12385

naggttaagg agcagactgg agaatcaaat gtaactgagg ttggggaggc ggataacaca 60

tgtgttgttc ctgacagaga acagtacaat aaagaagatt tcccagtgga ttatgcaaat 120

gccatgttct ttatcatcaa gtcatacagt gaagatgatg tgcacaagag cattaaatat 180

aatgtttggg ctagcacacc aaatggaaac aagaagcttg ctgcagcata ccaggaagct 240

caacagaaag ctggcggcng tcccatcttt ctgtttttct cggtcaatgc aagtggacaa 300

tttgttggtc ttgctgaaat gacaggacca gttgatttca acacaaatgt ggagtactgg 360

cagcaagata agtggaccgg ctctttcccc ctcaagtggc atattgtgaa ggatgtgc 418

<210> 12386
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-H4

<400> 12386

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ttgtttcacc taatcatctc aaagactcgt cctttataaa tggcgacgac ggtcatggcc 120

cttgcagaga aagtacncga nagagtttac ggaacttcca natccgccgt ttccgtanca 180

ancggcgacg gcgaaaagac tcaccgtcan acccatcatc acattcaccg tatcaaaagc 240

tacgacgaca tcgacgagga tgaatcatca ttgggagctt atccagatcg gtgctgagag 300

gactaagaac gtcttgatcc tcatgagcga tactggtggc ggtcaccgtg cttccgctga 360

agccattcgt gacgctttca agatcgaatt cgggggacan atattgacta anngtgaang 420

atgtgtg 427

<210> 12387
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-H5

<400> 12387

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gttttggcgt gatttgatca tcaaggtttc gcgtcagttt gggttgttca tcattgatcc 120

tgtccaggtg aagaaggcgt ggtttgatcg aggaggaatg acgcctttat gcattgatga 180

tgttgtgtta ttgatgcata gtgaaggtga tgttgtgcgg attagtgatc tcgatgatcc 240

cggtagtggt cgtattgctc gtttattgag gacagtgaag aacttaatgg ttcaacagcc 300

agtgaagcag gaagagattc tggaaaatac acttgttctt gttccactct tgaaggagaa 360

ggcggctgac gtggtgaaga tattatctga ngggacactg gacttctact tg 412

<210> 12388
<211> 331
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-H6

<400> 12388

cgtttacgtt gcccngnccg gtacaaaaac taaacnnggc ccggtcnacc cacgcntccg 60

cccacgcgtc cgatgaattc ttgcgtgttt caaattttta tgttgtaata tatattgttg 120

gattctagat tcgattcgtg attcttgttt ttgattctta atgtggtatc atagtttgga 180

tcgttcaaaa agttgtaagt caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggngg ccgccctaaa 300

ggntcnaanc ttanttacnc ntnnangcaa c 331

<210> 12389
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-B1

<400> 12389

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cgagaacgtc taataaaccg agaaaacaag ttcacacgta gcgtatctca cgcacaagac 120

gagctccaca gtttccggaa atatctccga tggatgtgcg tagatcagtc gagtccttgg 180

acggcggttc tatcatggtc tatgttcgtt gttttcacgc tcgttgttcc tgccacgtct 240

cacttcatgc tcgcttgctc tgactgcgat agccatcact ctaggccgta cgattccgtt 300

gttcagcttt ctcttagcag tttcgctgct ctttcgtttc tttgtctctc cagattcgtt 360

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cttcgg 426

<210> 12390
<211> 442

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-B2

<400> 12390

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tctactcata ctctcttcct tctcagccat tccattcact tatgcagatt ctggaatgat 120

cggagttaac tacggccgta tagcaagaca atcttccggc accggagaaa gtagttgagc 180

tactgaaaac acaaggaatc aaccgcatca agctttacga caccgagaca actgtactaa 240

ccgcactcgc gaactccgga atcaaagtcg ttgtctctct ccccaacgaa aactcgcttc 300

cgccgccgca gatcagagct acaccgacac ttgggttcag gacaacatan nngaagtnca 360

ttccancgac ggatatcgaa gcaaatcgcc gttgggaacg aaagtgttcg tcgatccgag 420

ggaacacgac gacgttatct cg 442

<210> 12391
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-B3

<400> 12391

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agcttaagat attggagaag taacaatgcc ttcaaattca ggagatgata atgttcttca 120

agttcncata aagaactttg atgtccttgc tctcccattg gttacactcg tctatcctct 180

atatgcatca gtgaaagcaa tagagacaag atcattacca caagatgaaa caatggctta 240

cttacngggt tctttacgca cttatcgctc tctttgnact cactttctcc aaacctctcg 300

agtggtttcc natatggcca tacatgaaat tgtttgggat ctgttgggga ngtgttacca 360

caagtcaatg gcgcagggac catttcctac nancatttca gtaggaccaa ttctacagga 420

gattccncna angangcttc ncaaccnaan a 451

<210> 12392
<211> 427

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-B4

<400> 12392

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aagccaaagg gtccatcacg cagcccatgg tacggatccg accgagtcaa gtacttgggt 120

ccattctctg gcgagtcacc cagctacctt accggagagt tccctggaga ctacggatgg 180

gacacagctg gtctatccgc tgaccccgag acattcgcaa ggaaccgtga gctagaagtt 240

atccacagca ggtgggccat gctcggagcc ctangctgcg tcctccctga gcttttggcc 300

aagnaacgga gtcaacgttt gggagaggag tttggttcaa ngctggttca caaattttca 360

acgaangacg gctccgatta cttggggaaa ccctaacctt gggttcaacg ctcnaganca 420

ntttggg 427

<210> 12393
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-B6

<400> 12393

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ttgcagagag gtttacctct tctcttgcaa cagtacacgg cgttgttcaa gaaaaacctt 120

ttgctttcat ggcggagcaa acgagccacg tttcttcagc tcttcgcttc tttcttcttc 180

atccttctca tcttctgtat ccaagcagcc atggagaaga gtttcgcttc ctccacggct 240

ctcaaaactg ttacggatcc gacggcgctg atatcgccgc cgattccgcc ttgtgaagat 300

aaattcttcg tngaatcttc cgttgctagg acnttgtntg ggancggtaa tcggtagctc 360

caagggtcac gcaaattgtt aagtgncnat tatgaangaa ntaatcctgg aangaagtta 420

ntcctanttg angaaaggtn ccgat 445

<210> 12394
<211> 413

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-G10

<400> 12394

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ttactgggga cgttactgga ccatcgcttg tttctccggg atttatttca tcgggatgtc 120

tgcgttaact ctttcagctt cagttccggn attgaagcca gcggaatgta ttggtgactt 180

ttgtccatct gcaacgccag ctcagtatgc gatgttcttt ggtgggcttt acctgatcgc 240

tcttggaact ggaggtatca aaccgtgtgt ctcatccttc ggtgccgatc aagtttgatg 300

acacggactc tcgggaacga gttagaaaag cttcgttctt taactggttt tacntctcca 360

tcaatattgg agcacttgtg tcatcnagtc ctcgaatttg gattcaagan aag 413

<210> 12395
<211> 231
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-D7

<400> 12395

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tttaagtttt agtttctttg ttgcttttta agttaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aanaaaaaaa aaaaaaaaaa agaaaaaaaa 180

aaaaaaaaaa aaaaaaaaaa anggggggcc ncccaaannn ntcaaancna a 231

<210> 12396
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-D8

<400> 12396

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gtctttcctc aagtcactcc atttctgggc ttcgcgctgt tttgcctctg aagatttcta 180

cagttgcttc ccccaattct caaaagcttc attcttttac cgttttcgct cataagggct 240

acaagatgaa gacccacaag gcctcagcga agcggttcag agtgacgggt agagggaaga 300

ttgtgaggag gagatctggg aaagcaagca tttgttagct aaagaagaac aacaaagaag 360

gaaaattacg ttctaatccg aaaaatgacg ggaagttgaa accggaagcg actaattgac 420

aaccgtngat cgggagg 437

<210> 12397
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-D9

<400> 12397

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aattcgtata catggcgaaa ctcgccgaac aagcagagcg ttacgaagaa atggttgaat 180

tcatggagaa agtcgcgaaa gctgttgaca aagacgaact caccgtcgaa gaacgtaatc 240

tcctctccgt cgcttacaaa aacgtcatcg gagctcgtcg tgcttcgtgg agaatcattt 300

catcgatcga acaaaaggag gagtctcgcg gtaacgatga ccacgtttcg ttgatccgtg 360

actacaagaa gcaaaatcga aacggaactt tccgaaatct gtgaag 406

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<211> 56
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-E1

<400> 12398

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<210> 12399
<211> 412

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12399

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agattgcaga tttcactctc ttcttcttta tcttcgtctt ctctccctcg ttgcctctag 120

ctcaatctca gcttcccgat ctcgacccac aagacaaagc ttctttattg atattcagag 180

tttcgattca cgacctaaat cgaagcttat cgacatggta cggctcatcg tgttctaact 240

ggacaggtct agcttgtcag aatccgaccg gaaaagttct ctccctcact ttatccggtc 300

tgaatctctc cagtcagatt cacccatctc tttgtaagct ctcttctctt caaagcttgg 360

acctttctca caacaanttc tctggaaaca ttccttcntg cttcggttcg gg 412

<210> 12400
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-E4

<400> 12400

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tccttgcggt ttggagcatc aatggcgatt gccttgctgt ggctaacaca tcgcagttac 120

catctgattc ggtattatca gtaacaggct caacatcttc cgactggctt gagacaagct 180

ggtatgtaac tggtcatcan agtggagcan ttaaagtatg gcggatgatt cattgtactg 240

atccggtgag tgccgagagc aaaacaagta gtancaacag aacaggaggg ctgaatttgg 300

gtgatcaagt gccagaatac aagttgattc tacacaangt gttgaaattc cacaagcaac 360

caagtcaccg cgctccatct cacaagcgac ctgaagcagt tacta 405

<210> 12401
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-E5

<400> 12401

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caaaaatggc gattgtttcc gtctctaact cttttctcac tttcaattct cccaatcagc 120

tccgatttag ccgaagaaga ttctctgcca tggcttcttc aactactgga gtgagagtcg 180

ctgaaggaga aggcaatttg ccaaaacttg tccttacttc tcctcagaac agcgaggctg 240

agatatatct cttcggaggc tgcattactt cttggaaagt tgcgagcggt aaagatcttc 300

tttttgtcag accagatgct gtcttcaata agattaagcc cattagcgga gggattccac 360

attgttttcc acaagtttgg acctgggcc 389

<210> 12402
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-E6

<400> 12402

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gaatggcaat gctatctatc ttctccatat catctcgatt ctcctcatca caaaactagt 120

catcttggtt tggccaaaat catatctctt atgcgatcgc tttcatccat ttttcgagat 180

gatgatcata ggaggagata tccatcttca atccctcttg actctaccat gaacttctac 240

ctatccctcg aaacaggtcg cttttggttt ccaagctcaa gtttacaacc gtgagaatgg 300

acatgtaggg ttcatgttgt catgctatga tgctgagctc agctatgaca ctgacactaa 360

tacttttcaa gctangtatc caccacatgg taaaagagca attgcggttg aaaaaga 417

<210> 12403
<211> 113
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-E7

<400> 12403

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catatccatt gatgagctta ncattcccgt gccttgatga cgatnaatca aat 113

<210> 12404
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-E9

<400> 12404

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gcgtatgatc aatatctgct ctcacaccgc gtatccatct ttgtgccgac ctctggtgaa 180

acgtgtcacg agccctagaa aagccacgca ccgaaccatc caagctttgg aggctaagac 240

gaaactagct ctagccgaaa cagctaggtt caaaaacggt aaccaagcgg tcagcacgtg 300

ttacgagaca ttgggcgacg cggtttacaa tttggcaagc gcgagaaaga gcataaggaa 360

acgtgatgtg ccggcgatga acacgtatct aactgccggc tgtgtctgat 410

<210> 12405
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-F1

<400> 12405

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atagcgggag gaataccttt accacagcaa ttgatatatt ttgaggaata tatagagaaa 120

ttgaagcaaa tggttggaga aaagaggaca aagttcataa tcaagaatag cttgttcgtt 180

gttatatgtg gtagtaacga tatcgccaac gacttcttta ctctcccccc ggtccggcta 240

cactacaccg tcgcttcttt caccgctctt atggccgaca atgctcgttc ttttgctcaa 300

gacactctat ggatatggag caagaagaat acttgtattt ggtgcaccac caataggatg 360

tgttccttcg cagagaaccg tagcaggagg ac 392

<210> 12406
<211> 416

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-F10

<400> 12406

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cgactagtgc taggcacatt gggaagagag ctcgcaagaa caaaagcctc accgtctctt 120

ttgacgagaa agatctcaag gattttgtga ctggttttca caagaggaag aagaaaagaa 180

gaaaggaagc tcagaagcag caggaggaag cttttaggcg gaaacgaatc gaggcccgta 240

agaataggaa attggaagag ctaatggttg ctggtaatgg cgaggataat gaagatgggg 300

aagctgaaga tgaagtggat gcagaggatg aagaagcaga gcctgatgct tcaacatctg 360

ccacgacgat gtatgataca ggcgagttga aagtaactgt gacaacaaat nnagat 416

<210> 12407
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-F2

<400> 12407

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tcctctccag tgtcccgttg ataagctgat cgatggtgtt cagattgttg gtaagcatga 180

tggagaagtg acagatttgt caatgtgcca atggatgacc acgcgtctgg tttcttcttc 240

agttgatggc acgattaaga tatggcaaga tcgtaaggca caaccacttg tagttttgag 300

gcctcatgat ggacatccag tcagttcagc cacgtttgtg acatctcctg agagacctga 360

tcacatcata cttatcacgg ggggtcctct aaatcgagaa atgaaaatct gggtctctgc 420

<210> 12408
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-F7

<400> 12408

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tagagaattt ttgttgttgt tgggttcaga tttggaaaat ttccttttttt tcgagtttct 180

tctgaattat tcatcgtgga gattctcgga tcgggaaggg ctgcgagagg tggttttcac 240

ggcggggata gattcatctt ctgtcttctc ctgaggggggt agccgaggct ccggcctcgg 300

cggtttttaa acccctacct ttacaaattc tgggaaatta gaaaaaaaaa ggtttgattt 360

ttcagttttt gctctgttct tctctcgaaa gtttttgttt tgttcgagaa ttt 413

<210> 12409
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-D5

<400> 12409

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gaaacgattg ttgttgtttg tttgttgatt ttagttttta gtttagtgga agatgatcgg 120

taatagcgtc tacatctcac cgtcaccgtc accgtccgac cactctctct cgcccaaccc 180

taatctctgc atctcggcga tggaagagca gctggttgtt gatgatgatg atgatgacct 240

tgctcctcct ccaatccctg atctcgatat tgaccttgaa gatgatgatg acgcctgttg 300

tcacggcttg cttcatatcg cacctaatca cgaagaagaa actggatgcg acgaaaacgc 360

ttttgctaat gaaaagtgtt tgatggctcc tcctcctact cctggaatgg ag 412

<210> 12410
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-F8

<400> 12410

caaaaaaaac tcttcttttt tctatctttc acgcgttgaa gattcttgat tttctttctt 60

ctccttcctt acacgaccac tgatatgtgt cggtgactga aaccatctgt tctcttttgc 120

ctctgattta tcgatatgtt ttaaagaaaa acggtgtttg aaacttttgt aatttaaggt 180

tcatcaaata ctcagatctt gtctgagaaa ttaagctgaa atctgataaa tgggtttgtt 240

taaattcatc ttcttgttat ctcttctatg gagtttctac agtttaggct catctcagct 300

acaagcttca caagcacaag ttcttcttca gctgaaaaaa cacttaagaa tatccacaac 360

agctagaatc ttggtatgat cacagaacca atttctgcta cttacaagca acaccatc 418

<210> 12411
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-F9

<400> 12411

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catggcaagg atctctctgt tgttctcatt agcctttgtt ttagccctcg gctcagtgtt 120

cctttccgtt tccggtcacg ctcctcccgt gacaccgaga aaatcagcat gtccaaaaac 180

agtatccgaa ctccagacct tacctttac cgaaatcact gagatcctaa accgaaaaga 240

gcggtctgcc ccgaaaaccc ctgagttcaa ggcaatgttc acaatgtgca aaggctacgt 300

gacatacctc gagagcctct acaagtttga gaatcccatt gtagatgttt taggaattgc 360

caagaccaga tacaccctga tgaacaaggc aattcttgct gngc 404

<210> 12412
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-A5

<400> 12412

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atcttgtgtt ctgagcagcg ggattactgt tcatcaggtc tgacaaagta tgttcctaag 180

aagtctcgga agattactga agatttgaca tctcagcaat ttgatgttac tanagtggat 240

catagtgtgt tgggatttca agttaagggt aacagcaaag aggctagaga tggctcattt 300

ttggatctgc aagaggaaaa tgatactgga agttacacga atgtgtcttg tgatgactct 360

gatgaaggtt ttatgaattt gggacaangg tatagatgct agtagattgg atcatagtgt 420

attg 424

<210> 12413
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-A6

<400> 12413

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acactccttt tccaattttc gcgccatctc tatttcctaa tcataaccca agagcaccca 120

gcgagatccg attctctaga tggggcaacg ctaatgccga acggttcgag cagcgtcncc 180

ggagccaaga agaactcgag gctgagattc gtcgggaccg ccgattcgac gccgctacta 240

aaatcgtcca tacccatgat tcccgaagca gcagctgctg agcctaaaac gtcaccgttt 300

anatnaagan gcactccttc actttccctc tgctcgttcg attccggggt cnaaagatnc 360

aaaatactcc aanaccgant caaggacccc antngaaccc aaagaacnaa ccttagagnt 420

acccgant 428

<210> 12414
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-B10

<400> 12414

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aacacaatca tcctccgcga ccttcgtcaa tctcgtcacc gagactgcta agaaatccaa 120

ggaactcgct ctcgaagctt cgaagaaagc tgatcaattc aatgccgccg atttcgttgc 180

tgaaacggct aagaaatcca aagaattcgc tgctgaagct tcaaagaagg cggatcagtt 240

caaagtcgcc gcgctgaaac aagctgatca gatccagaac atcaaatcga tcgctgatat 300

aatcgggacc gggaccgggt caggatccgg ttcagaagcg gagcttctcg aattcggtgt 360

aacggatgat ttgagagagt tcgctgaagg cttgacctct gctanattcc aaactt 416

<210> 12415
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-B11

<400> 12415

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aatcgtcatc tttcacgagc ttatgctagt aacatgggag gttataagaa tgaaggattc 120

gttgaagttc tcgctgctca acagagtcct gaaaacccca actggttcca ggggacagct 180

gatgccgtca ggcaatactt gtggttgttc gaggagcata atgtcttgga gtatctcatt 240

cttgctgggg atcatttgta tagaatggac tatgagaagt ttattcaagc acatagggag 300

actgatgctg atatcacagt agctgcatta ccaatggacg agcaacgagc cactgctttt 360

gggctgatga agattgatga aggaaggacg tattantgaa tttgctgaa 409

<210> 12416
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-B2

<400> 12416

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taaagctgtt tactttccct tgcgaattct ctctctctct actataaagc aatacccttt 120

tctttctttt ttggtaaccc ccaaacccta ctttgtccag cgagaaagga agaggggttt 180

cgtctgattc cgctaaatct ctagtcttta tctaaagatc atggattccg atgatgatat 240

gcacgatatg gactcggtag attatgatta ttacagcggc ggcacctatg atgacaacga 300

tagtgatgaa actgatttcg ggtttggtga ggctgacacc gacgatgccg ccatcatcgc 360

ctcctatcgc tctaagagta attatgttgt tctcaa 396

<210> 12417
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-B3

<400> 12417

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ctgaattgaa tttgcattga tcgtagatga gaccaatcat taggttatca tctctcagta 180

gaattagatg ggctctaagg aacaatcaag aacgttattc ttcaactttc tactccaaaa 240

gccgcaaact tttgatcggt gtcaatcaaa atcaagctct gctgaataca aacactgata 300

attcaagttt gtattcaagg tcaagtatct ttagangctt atcagcagaa gcagtagaag 360

cagctgatcc tgctactact anggtcaccc gtctcagatg tgaataagaa caag 414

<210> 12418
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-B5

<400> 12418

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ctttcttctt cttcgcgaag aagttcaatt cgaaccctag ttatggtcaa agcttcttcc 120

tctgaacctt ccgagtctgt ttcagtctcc acgaagacca gtgacgacac tggagctgtt 180

gttgtgttca ctgctcctcc tggtttcaag ccaccggagc caaaacggtt cgccgtcaaa 240

tccggaaaac tcttcgatgt cttgggtgca gcaattggat tgtttttccg attcggcact 300

ggtgttttcg tttctgggta ctctgcatct tttgtgtcta aggaagagat tccagctgat 360

cagtatgcgt tgcgtttagg cgggatcacg gtaaaggaaa ctgctaaggt cgggcc 416

<210> 12419
<211> 382
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-C10

<400> 12419

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ggcgggaagg tctggagatc aaggtggtga atccaccggc ggcggcgaca aacaatgtgg 120

ctgtagaaac gtctccggcg acggcgacga ggagacggag acaacaacaa cgagcttcgt 180

tcgctgagtt tagaccgttt aagctttggt ttccatggct tgttccagct atcgtggtgg 240

ctaacattgc ccttttcgcc atttcgatgt ttattaacaa ttgtcctaag aactcggctt 300

attgcttagc taggtttctt gggagatttg cttttcagcc tatgaaagag aatcctcttc 360

tgggtccttc ttcnttgaca nt 382

<210> 12420
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-C11

<400> 12420

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ttagtctctc ctcttagatt tttctctctt tccgctcctt atttttagta ttattatctc 180

agcagaaaaa caaaaacact tttcatttct ttatttttct ttctcatttc gcataaatct 240

ttgtcgccga gacgatttgt gtctgagaaa ctgagaagag gaatgggaga aacagttcat 300

tgtggaagct tcttgtcctc aatgagggat ctaagtgaag atatttccaa tacttgtagc 360

tattcaatgt attgtggagg tgataaaact ttgccttaag gggcagtaac aagag 415

<210> 12421
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-C3

<400> 12421

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gatagcagat ctccaagaga cgggaagcat cttgaggtct taggttactt caatcctttg 180

ccaggccagg acggtggtaa gangatgggt ctcaagttcg atcgaattaa gtactggtta 240

tctgttggtg ctcagccatc agacccggtt caacgtctcc tattcagatc cggtttactt 300

cctcctcctc caatggtggc caatgggacg ntaaaggtgg ancacgagac acacgcccna 360

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tgantg 426

<210> 12422
<211> 357
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-C8

<400> 12422

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aagagatgta ctttaagaga atttttttga agttttcaaa attaatcgaa ccaaacctaa 120

ctagttagtt attatgagtg tggcttttta gtgactggat ttgatgtcaa gtgattttac 180

tataaattga tcttaaattg ttttggaaaa tcttaagcgg actaatggga ttttatctca 240

ngatttggag aattcatttt tgaggcaatt aagtttttct gatattagta tattgctgaa 300

aaaatgaaaa acaataatta taaaaaagga aactataagt taaaaggaaa aaaaaag 357

<210> 12423
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-D1

<400> 12423

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tcatccttct agagatcgag accgtccgat ctggtttcac tctttgtttc ctttcttcgg 180

tgatgatcct agggtttctc ctcagaagaa taaaatctcg cttctattga ttttgattct 240

ctctattgct agcttgatct cagtttatgg gattattaat cacttgaatg ctccttattt 300

atgtaaaaaa gatgggattg tgctaaactg tcctcatgta aaagagtcac cttctccttg 360

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<210> 12424
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-D10

<400> 12424

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agtttctcac tttctctctt ccatggcttt ctcatactct ttaacttctc cgtcaccaaa 120

ttcgactctc tcctattcca gtacccatca atttctcaac ccgtcttctt cgtttcccgt 180

ctcgttatca gtctcatctc cgaagaatac ccgccatctt cgtctcctca tcacctccgc 240

tttgaatcca cagacgggac agccgacgaa gaaggcctcc accggtagtg ataagagtag 300

tacgaacaag aaacgtaaga aaaaggggaa aattgcgaaa cctgtggagg attgggaatt 360

gagagattca naagacgctt ttgagggaag a 391

<210> 12425
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-D2

<400> 12425

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ttttattggc gtttttaaga aaacaaagct tccccaatta gggttttgta ttagaagaat 120

gggattgtgg aatggaaaat gcaccggagg atttatcctc taccttctcg tggctttctc 180

cgtcgccgtc ttctctgttt cttacgtcgg agacacaaca aaccctattc atcatcatct 240

ctcttctctc tctgccaccg aaaaaatttg gccggatttg aagtttaagc tggaancttg 300

tgttggntac agtgatagcg tttctangat cagcttgtng ggactgttgg tggtgttgga 360

cgtggtgnga tttttgttcc tatgctcact cntagacncg ggttcgatan g 411

<210> 12426
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-D4

<400> 12426

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cttcagactc tgtagctatc atcgcagcca atgcacaaga agcaattcca tatttccgtg 180

ctggtcctaa ggggctggca cgttctatgc cgacaagtgg tgctcttgat cgtgttgccg 240

agaagttgaa gcttcctttc ttcgaggttc ccactggatg gaaatttttt ggaaatctta 300

tggatgctgg aaaattgtca atctgtggag aagagagctt tggcacaggt tctgatcaca 360

tccgtgagaa ggatggaata tgggctgtgt tggcgtggct ttcgatcctt gctca 415

<210> 12427
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-A3

<400> 12427

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acgcggcgga tgagcaatcc tagattcgac gccgccgcaa ccgccgcacc aaccatcgta 120

gacatccccg gaacaccacc acactcctcc gcttcttcac cactcaaacc cttcttcctc 180

tcttcccccа ccgtatcacc aacaatcctc acggcggcta taatcgccgc ctggtttggc 240

tcaaatatag gagtcctcct cttaaacaaa taccttctct tctactacgg tttccgttac 300

ccaatcttcc tcaccatgac acacatgtta tcatgcgccg cctatagctc cgccgtaatc 360

aatatcgccg gaatcgtgcc acgtcagcac atcttatctc gccgtcagtt tctaaagatt 420

ctcc 424

<210> 12428
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-G1

<400> 12428

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ctcagcttgc ttgtccaaag acagtgctgc atatcaatat ggagatgatg ttgtcattgt 120

cgcggcacaa aggactgcac tttgcaaggc aaaacgtggc agcttcaagg atacatttcc 180

agacgagttg cttgcctctg tattgagagc attgatagag aaaactaatg taaacccaag 240

tgaagttggt gacattgtan tgggtactgt tttgggacca ggatctcaga gagccagtga 300

atgcangatg gctgcgttct atgctggntt ccccgaaact gttcccatca gaaccgtgaa 360

cagacagtgt tcatctgggc ttcaagctgt tgctgaant 399

<210> 12429
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-G3

<400> 12429

ntgttacctt gccggtgccg gtccgaaatt acgggtcgac ccacgcgtcc gattcgatca 60

cacaagaaaa attacaattc ttcttaatcc tcattattat atatataaat aaacttcaat 120

ctaagcttct tcgtaatttc tctttcgttc aatgttattc ttttagatct cgaacaaaac 180

aaaatctcca gaagaaaaaa ccaaattcca tggcgtctaa atcgaagcag catcttcgtt 240

atcagccgcg aaaatctgtg tcacgatcaa cacaagcttt cacggtgctt atacttcttc 300

tcgtagtgat tctgattctt ctgggtctcg ggattttgtc actacctaat gctaatagaa 360

actcttccaa gacgaatgat ttgaccaaca ttgtacgaaa gagtgagacg agttctggag 420

atgaagaagg gaatggtgaa cgttgggttg aagttanttc cntgggagc 469

<210> 12430
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-G8

<400> 12430

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gagaccctaa gagagagagc tttaggtcta gaggggatct tcacaattca cacaacaact 120

acgagatagg atcgtgcgcg tcaaaagaag ctggtactgc tgattccagc cgaagattag 180

tctccgcttc tggttgttcc ggtggagact cgtcggaaat ganaggtctt ttcaaatcca 240

aaccgcggac tcccgctgat attgttcgtc agactcgcga tctcctcctc tacgccgatc 300

gatncaactc cttccctgan cttcgagagt ccaaacgccg anggaaaaga tggtggaact 360

aagtaagagc atacganatt tgaagttgat tctatatgga ancagtgagg 410

<210> 12431
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-H2

<400> 12431

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cccatttctc tgaaaaccct aacaaatcct cctcttgttc cgccactgcc gcngccgcta 120

ctcaacggtg gtgaattttc tatacggnca gttcgntgnt ctttttatcg acantccnac 180

ananatccat gatcatgggc gccactgctt cctccgaagc ttctgaagga ccagtgatgg 240

gtctcatcaa caagcgtctc cgtgctctcc gtaagaaata caaccgantc actcaaatgg 300

aanaatcgat ttctcaaggc aaaaccctaa acaaggagca agaagaagtc ctccgctcta 360

aaantgccgt cgtcatccna atcnacgaac ttgaaaagat ccgtgctcnt ctctccgccg 420

cnngtgacag angaaatcat cctcnctaat cagctttaac cggtgcntca tg 472

<210> 12432
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-H5

<400> 12432

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gattctctaa gctcgatgga tctaacgacg acgcgtcaga ggcgtccact tanatctgac 120

tcttcttctt cgtcttcnac gaaatcttac tcgaagaccg ataancctgg ccgatntaat 180

ggcggtgatg cggaggatgg tggtctccga tggttcttgc cgtttatang cgctttgtta 240

tcttcgtnac atgagngcga cttctaatat cantcatgac tgcgatgaan gtgttcaatt 300

acngggagcc tcttcattat nntctctaca agtccngatt tcagacntgg ggaatanagt 360

ncacctttgg ctcttcgggt cggactntat acattctatt 400

<210> 12433
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-H6

<400> 12433

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ttttcaccat tttcggagat tatcaccttc tccccgattc gccgccttgt gattacatct 120

acgtaaagag tttctggtag aaatttttccc tcttttaagc tgcagattgg catcagattc 180

cgttctggat gtgtcggtga tcgattttcc gcgtcggtga tgatagctaa cggattcgag 240

agtatggata aagaacgagt caggaaacgt cctcgtatga cctgggacga agccccagct 300

gaaccagagg ctaaaagggc tgtgattaaa ggacatggaa gcgatgggag gatttgtcac 360

caccnntang gggacatgaa tcngatggnc aataaggttt tcagttngan gggg 414

<210> 12434
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-H9

<400> 12434

acgccttcnn gtagccgtcc anaattcaaa aggtcgaccc acccgtccgc ccacgcatcc 60

ggagagaaag aaagaaaaag ataaagatgg atcacgcagc agatgctcac cgtacggatt 120

tgatgaccat tacaagattc gtgttgaatg aacaatcaaa gtatccagaa tctcggtggt 180

gatttcacca ttttgcttag tcacatcgtt ttgggttgca nattcgtttg cagtgctgtt 240

aanaaggctg gtttggctaa cgttaattgg ncttgcaggg gaaacaaaca ttcanggtga 300

agagcacnag anacttgatg tgctctctaa gngatgtctt tggtcaacnc tttggttang 360

caagtgggnn gnacttctgg tncntgtctc gggnnganag gattg 405

<210> 12435
<211> 56
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-A10

<400> 12435

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<210> 12436
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-A11

<400> 12436

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antggctctg agctactctt tattgcttag gccttagtgt gtgtgtgtga atcttctcag 120

cgaaagccaa gttcttttct ttgttggtgt ttctgggttt attgcgacaa tgggagctga 180

gcattttagc ctggtgaagt tcantagagg tttctttgtg tgtttatggg tgatgctctc 240

gctatcttgc gcagcaagcg agctatggct cttcaaggca aaagtttgag gtgaagaaac 300

atttgaatag gctcaacaaa cctcctgtta agactattca nagtccagat gggagatata 360

atcgactgta ttcctatttc aaaagcagcc aagcttttga ccacccccttc ctcaaagacc 420

anaagattca agatganggc ctagttacca accaagaang gntccttgan ganaatnagg 480

ggannng 487

<210> 12437
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-A12

<400> 12437

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ttgcaaaaac ccatcccatc aaaaataaac aagagggcct aaagaagaat cctaaagact 120

ttacgggtct tgtttaggat aaaagaaatg cctgccggtg gattcgtcgt cggggatggc 180

caaaaggctt atcccggcaa actcactccc tttgttctct tcacttgcgt tgttgctgcc 240

atgggcggtc tcatcttcgg atacgatatc ggaatctccg gtggtgtgac gtctatgccg 300

tctttcctca agcgattctt cccgtcggtg tatcggaaac aacaangagg acgcgtcaac 360

gaaccagtac tgtcaagtac gatagcccga cgctaacgat gttcacatcg tctcnatatc 420

tangcggngg ctaatttcgt ccctgggggc ttccancgtn gacnagaaaa ttngg 475

<210> 12438
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-A2

<400> 12438

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agctctctga ttacattgga aagaagtatg tgattctctt tttctaccca ttggacttta 120

ctttcgtctg cccaacagag attactgcct tcagtgaccg gcattcagaa tttgngaagt 180

tgaacaccga agtattaggt gtttctgtcc atagtgtgtt cnctcacctt gcatgggtcc 240

aaacagacag gaaatctgga gggcttggtg atcngaacta tccccttaat tcagatgtca 300

ctaantcaat ctcaaagtcg ttcnggagtg ctcaagccaa tgntnagggn atancactgn 360

gagggacntt ttngaaggcg aaaaagnaag ggnntgggtt ganaattccc cccntg 416

<210> 12439
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-A3

<400> 12439

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gaccgtgcca ctagggtatt cgcgtttgct aacagatatc gcggcgcgta tagtaacagt 120

ctctaccacg cggtttgtcc tttttactgt gatttcaacg gttaccagga tgagttactg 180

tggggagcgg catggctaca caaagcctcg aggaaacgag cgtacagaga attcattgtg 240

aagaacgagg tcattcttan ggctggagat accattaatg agtttggttg ggacantaag 300

catgctggga ttaatgnctt aatctccang gaagtgttaa tgggaaaagc agngtanttg 360

ngtctttcaa gcangaaggc nanatnggnt tnnntggttg 400

<210> 12440
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-A4

<400> 12440

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cgatctgatt gggatgagta accgcgatct gatcgggatg agtaacagcg agcttctcac 180

cgtcgagcct ctcgatcttc aattcccttt tgaattgaag aagcagatct cttgctctct 240

ctatttgacg aacaagaccg acaataatgt tgcctttaag gttaagacga cgaatccgaa 300

aaagtattgt gttaggccta atactggagt tgttctcccg aggtctactt gcgaaagttc 360

ctgtgaccat gnaaactcaa aaggganctc cctnccgana atggnantgn aaggggaaat 420

ttnngggtnn aaagggnng 439

<210> 12441
<211> 355
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-A8

<400> 12441

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ttctatatac ctagttcgtt ttttcttcct caaatatatc tttttcaatt tatttggttt 120

ttctttgggt gcaacttcac ctcacaaaat tttctctctt tttttatatt aatttgagtt 180

aggccttttt gatttcatag atgagtcntc nagtcgtctg gatttgatgt ggttatagtc 240

ttacagagac ctttgattga aataagaaca aaagcaagaa nacatacatc ctcntcatct 300

tanacncatc cgtttttang ttntcnangg gtttnanngt tttttaangt tanng 355

<210> 12442
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-A9

<400> 12442

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tcatgaaata tggaattgga tactcaaaac ttggttcaaa tataatattc tgaatcgatt 120

gaccagtaag gaaaacttga ctcatgtgcg tgataagatg gttcaactat ttggagctta 180

taaaagaacc acatgcaaca ttgcagcaag cacttctcaa tcttcacgaa aggatatccc 240

atttggatat gatgggtttt actcttactt ttctcaaaga aatggaactg gaaaatcacc 300

attagatatg tacttggaan agcctgtgtt agatatggtc tcttttagag atatggatgt 360

tattgcatat tgggaaaana atgtctcncg ntttaaanga antggcaacn atggnag 417

<210> 12443

<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-F8

<400> 12443

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gtatccttct ttcaagcttc catgaggttt cttgtcagga tgatggtagt ggtttgagta 120

atttggatct aatagaacgt gattatcaag atagtgtcaa tgctcttcaa ggcaaggacg 180

atgaagatca gtctgcaaag atacagagtg aaaaccagaa taacactaca gtgactgata 240

agaacactat ttctctatct ctatcagatg aatctgaggt tggatctgtt agtgatgaaa 300

gcgttggacg ttcgagtctg ttggatcaaa tcaaacttga attcgaagct catcacaata 360

gtattaacca agctggatct gatggtgtca aggctgaatc caanggatga 410

<210> 12444
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-070-Q1-E1-B4

<400> 12444

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tatacttctt cttcttcgtt tatacttaga agatgaattg tgcaatttcc ggcgaagttc 180

cggaggagcc tgtggtttct aagaagtcgg gtttgcttta cgaagaagcg gctaatccag 240

acgcatatat ccgattatgg gaaatgcccg gttactggtg agccacatac tcttgatgac 300

attgttccca tcaaaactgg ggaagatcgt aaagccgaaa ccattacaca cagctagcat 360

ccctggattg cttggaacgt ttcagactga atgggacagt ttgatgctat ca 412

<210> 12445
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-070-Q1-E1-B6

<400> 12445

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ctatggctgc ttcagtacac tgtaccttga tgtccgtcgt atgcaacaac aagaatcact 120

ctgctcggcc gaaacttcca aactcgtctt tgttacctgg attcgatgtt gttgttcaag 180

ctgctgctac tcgattcaag aaggaaacaa caaccacaag agccactttg acgtttgatc 240

caccaaccac taattctgag agagctaagc agagaaaaca caccattgat ccttcttctc 300

ctgattttca accaattcca tcttttgaag aatgctttcc taagagcact aaagaacaca 360

aggaagttgt ccatgaagaa tctggtcatg ttcttaaagt tccctttccg t 411

<210> 12446
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-B8

<400> 12446

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atccgacccg gaacagcaga tcaagaacgc gaaccagatc agagctgatt tcgattcctt 120

ggctcccaaa cgacccacta aacccactcg aagcgaaccg ggatttcctg gatctttctc 180

tgcttccgac aaaatcaccg accatcctga agctgacnaa ttccaatctc tccagtcaca 240

aactcatggg taaanttcta ggtgagggag attcatctgc agttcacgat gagttcctgg 300

aagacagagt nttactcaaa tctcatcgcc attgatnagg caacatcana cgacnggaag 360

ttgggtttaa tnaaatgtgg tgaacgatga canc 394

<210> 12447
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-C1

<400> 12447

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aggattctaa tccgtggttg caaacgaagg acccagaatt tcaatctttt tcagtttctg 180

gaatctcttg cttcgatcga atcactctca tgtctaacga agactctctt ccgcctttca 240

ctttgtttgg tttggatgat gtcgaaaatt acggtctggt cactgaagca gacaattcgt 300

tacctttaga tatacacaat caggtttttc aacttgtgga gaagggaaac cantcattca 360

aagagtctcg ctttgaagan gctantaagc aattattcna nagggcaat 409

<210> 12448
<211> 85
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-C12

<400> 12448

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atgtcaccca ntctggatga ctctg 85

<210> 12449
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-C4

<400> 12449

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ctcttctctc aatctcttgg ctcagaacaa agaagataaa aaaaaaagtg tgatatattg 120

tgagaagatt gcagaagcgt gtccaacttg gttccctctc tctctgaaat tactcaatca 180

tggggatttg cttgagtgct caggtcaaag ctgagagctc aggagcgagt acgaagtatg 240

acgccaaaga tataggaagt cttgggagca aggcttcgtc tgtgtctgta agaccaagcc 300

ctcgaactga nggtgagatc ttacagtctc caaatctcaa gagttttagc tttgctgaag 360

cttaaatcag caaccaagga attttagacc anacagtgtg cttggtgaag gtgggatc 418

<210> 12450
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-C8

<400> 12450

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caaatgtgat cagagacaaa gcatacaaag aagttcctca ttcaaaaaag atttctcagc 120

catcaaaatt ctctttctct tcatccaaca aaaaaaaagc atacctcttt ttcttccata 180

tagataagtt aattaagaaa acgaattatc aggttttgtt tcggctgatc tgaggaagtt 240

catctatgga tacggctcag tggccacagg agattgtagt gaagcccttg gaagaaatag 300

taacaaacac atgccnaaag ccgcaaccgc aaccgcttca accgcaagca gccaccgtcg 360

gtgggtggag agaggaaggc aaggccagaa aaggatnaag ctgtaaactg t 411

<210> 12451
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-D12

<400> 12451

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ataaagaaga gctgantcgc aattcttact caggtctggn caangaggct tctgagtcga 120

ttttgctccc tagtgaatcc ggatttgacg gttctcggag tccggtttgc tcctcgccgg 180

atccgaacct caactacaga cctgtcancg gtatcctgag tcaccctgna gatggtgcgt 240

ctggtcggtt gaccaatgat acgangcncg acgtanatcg ctgccntcgt atgtgaagtt 300

cgctgaggca ggtggtgcct cgtgttatcc cactcancta caaaggancc tgaaggaagt 360

tgcnccttcc annaccgagn aantttggtc ancggtng 398

<210> 12452
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-D2

<400> 12452

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gacaaaaata tatataaaaa agaaaaaaaa aagaaaaaaa aataattgtc ttgctctgtt 120

ctatttaact tttcttatat ataaaaaaaa tggcgaaaaa tttactagca atatgtctgg 180

tgtttatggt tgcatcaagt gtggtttatg aagtgcaagg gactttcttg ttaaagcttt 240

acttgaggag gaagtttccc agacgttgta tcnactttgc cccttatgct ggcaaaggta 300

tgttgatgct cgtgagcaac cttgaaggtg gatgtcccgc aactagagag ttcaaacaat 360

tcttttcaac gttcaagtct tacatgagct ttatcaagct caagcatcga tatccgcatc 420

gaaaaacatc gatgtggaga tgaatgggag atgtgnattg ctttccaagg ncaa 474

<210> 12453
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-D7

<400> 12453

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gtagagagag acagagagaa attaagggaa agagctcact tgtgtgactt gttctgtgag 120

aaaattctct aancaaaatt ctcaattttt tcagcttctt tctaattnat gcatattaaa 180

attcagagct tttacacttg aaagttgtca tctttgtctc agtcnctctc tctctctctc 240

gtttgcatag aagaaacaat ttttgtgttg anttagtcag ttcacctaat ctgaagagaa 300

nttaaaaagt ttggctaaan atttgtcaaa aanttaanac ttccntttca tggaagctca 360

acancttaat ctctttgggc ngtttcctta nctnaggttc ctttggatcn gc 412

<210> 12454
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-070-Q1-E1-D9

<400> 12454

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caagctgttt tggagtatct caaaggagga cagagcgacc aacaattccg cagaaaactt 120

gcgtggaagg cctttcagca tgttgctgca tatgattctg cggtttcaga atggctatgg 180

aagcagactg aaggaaaaga gaagttccct cccagcttta cagttccgct tgtacttaag 240

agttctcttc gttacggtga aaatcctcat caaaaagctg cattttatgt tgataagagc 300

cttgctgaag tgaatgccgg tggtatcgca acagcgantc agcatcatgg aaagganatg 360

tcntacaaca actatcttga tgctgacgct gcatggaac 399

<210> 12455
<211> 246
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-E1

<400> 12455

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actccttgct tcagangaca tggaaggaga actggtgacg aggagaanaa agtctgttcg 120

tggntgcatt gtgagccctg atctctctgt tctgaacctt gtcattgtna ataanggtga 180

gaacgatctt cctgggctta ccgatactga gaagccaaga atgngaggac canagagang 240

cctcca 246

<210> 12456
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-070-Q1-E1-E2

<400> 12456

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ctaaacccag aaattgagga tttgaattct gctgctgcgg cgtctctgtg gtggtttggt 120

ttctcgtttc tgaaaatcta cggtgtagta agtcggagat gcagttgaga tttagcaatg 180

gacagggagg ataaccttcc ggttcaaccg gataaacctc cgaagagtct ggttcgtccc 240

attttaaacc tggaaacaac ttcgtcttct tcatcctctt cctcctcctc accggaactt 300

ctacggcatt tgcaagccgc tttcaaacgc catcgcccac tcagtaaaat gcagacgacc 360

aagtatcggg cctcgacgaa gtgttgctcc acaaaagaca agcttcaaga aaata 415

<210> 12457
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-E5

<400> 12457

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ggtgattctc agattcacaa gcttttagag ctcgaatttg attggcgagc tagaaatgtc 120

gaggttttga ggaagaagca accacaaaag aggattgatt ttaagggctt ttttgtttgt 180

ttccgatctt gcggcagaga tggcgtcaag gtttataaag tgtgtgaccg tcggagatgg 240

tgccgtcgga aaaacttgca tgctcatttc ttacactagc aatacttttc ctactgatta 300

tgtgccaact gttttcgaca acttcagtgc taatgtggtt gttgatggca acactgtcaa 360

tcttggattg tgggaaactg ctgggtcaan aaggacacaa c 401

<210> 12458
<211> 76
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-E9

<400> 12458

gttttgatta gatctttgan tccaagttcc taattctngc taactcttcg atccggtgca 60

gtanctcatc ttttgt 76

<210> 12459
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-F2

<400> 12459

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aaacacacaa agcaacttct tcttcttgtt cggcttttat catctctgaa aattgcttta 120

tttggttgaa ttcattggat tgttgatcga gattggttta ctgaggtgat cgaaagtatg 180

gaggaagatc gtggggaagc gatcgtttta gatatttcgc cggagattaa taatactccg 240

gcggtaatga tgagagttcc acggaggatt cgtgagaggc ttttgtctga ctgtagtaat 300

aagaagacag tatcttctgt tcaagatatt gaaagacaag cttcttcatg cncatctaac 360

gaagacagca attttatcat aacgtttccg angaaaggct cgtgcnaaac cctagaagtc 420

cttcacgatc atctgatgaa gaacttgggc caacgaatcg aagcaagact tct 473

<210> 12460
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-F7

<400> 12460

aaacgagctg ttcatatata ttttaaagaa caaaaactaa aaaaaaaaaa aaaaaaaaaa 60

actttgacaa aaaaaaaaaa tgtcatatgg atacgacgat gaggatgcaa agaggaaaaa 120

gagatatgta attatctcta tctcctctgt tcttttaatc tccatggttg tcgctgttac 180

cataggtgtt agcgtcaaca agtccgataa cgctggtgac gaagaaatca caacttctgt 240

taaagccatc aaagatgttt gtgcaccgac ggattacaaa gagacttgtg aggatacact 300

aaggaaagat gcgaaggaca catcagaccc gttggagctg gtgaagacag cttttaacgc 360

ancgatgaaa caaataagtg acgtggcaaa gaagtcacaa actatgattg agcc 414

<210> 12461
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-070-Q1-E1-B2

<400> 12461

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gccgccaaag gtttagcttt tctccatgaa gcagagaaac ctgtcatcta cagagacttt 120

aaaacctcta acatattgtt agactccgac tataacgcca aattatctga cttcggtcta 180

gccaaagatg gacctgaagg cgaacatacg catgtaacta cccgagtgat gggaacacaa 240

ggttatgctg cgcccgaata tatcatgact ggtcatttga cgacgatgaa tgatgtatac 300

agttttggag tagttttgtt agagctgata accggaaaac ggtcaatgga caatacccga 360

acacggaggg aacaaagcct agtggaatgg gcgcggccta tgttaaggga cca 413

<210> 12462
<211> 81
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-F9

<400> 12462

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cattgccatt aatgacacng g 81

<210> 12463
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-G1

<400> 12463

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tcaccaatgg gcttaacctt aaggacacag agcttcgttt gggattaccc ggagcacang 120

angaacaaca actagaactt tcttgcgtca gaagcaacaa caagcgcaag aacaacgact 180

caacanaaga atctgctcct cctcctgcaa anacacaaat cgttggatgg cctccagtga 240

natctaaccg tangaacaac aacaacaaan acgtgagtta tgtgaaagtg agtatggacg 300

gagctccata tctccgtaat gatagatctc angatgtaca aaaactatcc anagcttctc 360

aaagcactaa ganaacatgt tcaagttcac agtaggtgaa tattccgaag agaanangnt 420

acnaaagggt t 431

<210> 12464
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-G10

<400> 12464

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gaaacattcg tttggaactg aaggtcccaa ggaaaagaaa gctcgtataa agaggatctt 120

tgcagcaggg aaagctttga ccagtgtgat caaagttgat cagaatcatg tatattttga 180

ttcaaagaan aagaagtttc ttgttggtgt aaaaccggca gatgactttc tggattctca 240

ttcaagccca cctanagctt gtaatgcttt gcaagataac caggtaatga tanatcataa 300

ctcgccaata atgcagcttg atcaacagat ttatatgggt gaggaagatn atgatgatga 360

antaattgtt ttcaagccgc ttgttactga aangaggaaa nangcttctg accaaat 417

<210> 12465
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-G2

<400> 12465

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tagttccang accaattcta caacanaaac aaaagagaga aaatgtcttt ttcaggttat 120

agcttcatcg tactaacatt attgtccatc gtcttaactc aaatctatgg tttgagaagc 180

tttagccgaa tggacgatct ccaaccggca gaaacactag cggttcacaa ccagattcga 240

gctgcggtcg gggttgctcc attggtgtan gaccaaaaac ttgctgccca tgcacagang 300

tacgctaacg tacgttccca agactgcgcc atgaaatatt ccaccgacgg aacgtacgga 360

gagaatatag ccgccgggtg ggtccancct atggacacca tgaagcggtc cgatcgcaac 420

aaaagttttg gnttacnggg anaagcctta ttacaattan gccacccaac ganannengt 480

gagaccgntg 490

<210> 12466
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-G7

<400> 12466

ttcgaatgtt gaagaaaacc tanacccaga aacaaaatcc gcagaagaac aaaacccact 60

tgccattttc cattcttctc taccaatcgc atctctttct ctgaccttgt tcccatcctc 120

gactcaattt ctcaaattgt ttgctcatca tccaaacaag gttaagatcc ctangcaggc 180

ttcttctctc actcatctct ctctttcttc tgtctctcct tttccttctt ccagaatctc 240

tttcanatcc accatcgctg ctaaccctct tcaatcccct ctctccatcg tcnctcgtcg 300

tcgcgttgat ccttcctccg cngcngctct ccgccgtgct gctgtcgtct gggttccgca 360

atgacctccg tgtccacgac aacgaatgtc tcaactccgc caacgacgag tgcgtctcgg 420

<210> 12467
<211> 101
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-H1

<400> 12467

ntccctaanc taggcaaaag aagcggcant gaaggccatc aaggagtggg gccagcccaa 60

gtcnaaggat cactcatgtc gtcntctgca ctacctcccg g 101

<210> 12468
<211> 344
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-H10

<400> 12468

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tgttgtgttt ctattcatat gtggtgctct ctggaggaaa cccacctcca aagaaattga 120

aaccatctgc gactagtcct tcatactgaa gggactttac ataggtttag atttaaaaaa 180

gtggagatct tctctctttt gataactctg gtctgttgga ttactggtgt aattttatac 240

tctttacgaa ttgatacact tggttttgtt tgtgacctgt tctttccagt gtcataatct 300

aaagttttga ttttcttaaa aaaaaaaaaa naaaaaaagg gcgg 344

<210> 12469
<211> 205
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-H2

<400> 12469

angagattga ngaggaanag acgaaagatg agacagcgat ctaagtanac caaatctact 60

ccacaagtct ttcgcttttc ccctcngcat tttgtgtttc atttgcttca gtttgttccc 120

agaatttgtc ttantttcca natattgctg ttgttggant aatggatttt cagtttgatc 180

ttccnttgtc taaaaaaaat aangg 205

<210> 12470
<211> 70
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-H3

<400> 12470

gangataaga atntaaggct actgccgtgg ctgcgaaacc tgaagancac aaaccaaact 60

ccaataacat 70

<210> 12471
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-H6

<400> 12471

cggtccacct ttatactttg ttctgaagaa ttataacnac agctcagaat caagacatac 60

aaatcaactt tgttccatta acaagtgtaa tcctaactct cttttaaatg agattgcaag 120

ggcttctttg actccggaac taagctacat agctaagcca gctgcttcgt ggctcgatga 180

ctttcttgtg tggttatctc ccgaggcgtt tggatgttgc agaaagttta caaatggtac 240

cttttgcccc cctgatgacc agcctccttg ttgccctcct ggtcaaacga gctgtggcct 300

aagtgaagta tgcaaagatt gtaccacgtg cttccggcat gcagatttaa gtagtgaccg 360

cccttccaca acacaattca aagagaaact tccttggttc ctcaacgcgc tcccttctgc 420

tgaat 425

<210> 12472
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-H7

<400> 12472

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attcgtcagt gcagcttctt cttcttcgcg tactttattc gatcggctgt ctgaagaaca 120

tgaagccgat gatcgtagtt gctgctagtt acggtggatt gatgtttgga tggacgcaga 180

aattttgatg tgggtttagt ctaaaaggtg aagaacaatg ctcgggaatc aatccgcgga 240

ttttagtgag aaggggggaag atgagatcgt cagacagctt tgtgctaatg ggatttgcat 300

gaaaacaact gaagttgaag caaagcttga tgaaggaaat attcaagaag ctgaatcttc 360

tttgagagaa ngattatctc tcaatttcga aggaagcaag agcactcctg gaag 414

<210> 12473
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-A12

<400> 12473

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tctttgacta ctccactacc tataacttta accaaagctc gtttctccgg cgaaccattg 120

cgactcaaac aatatgtttt gagtaatcan atttgctccc gaccaaaaca tctcctctca 180

gagtttaaac ccaccagaag atggaccttc tcctgcaaat gccgtaacag aggaagaaat 240

ggttaccgcg aaattcgatg acgaaggana agatttcatt gttgttaact tctancggtt 300

tgtatcaatc ggagatcctg angctgagat tgagaagcaa ctctcattct taaaaggatt 360

tgaatatacg aaggcgaatg atatnctcaa ntgaanaang ggg 403

<210> 12474
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-A5

<400> 12474

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aaggattcta tgccgcaaga gcttcgattg tatcctctct gaggattg[illegible] aa 120

taccatggat aacaatagcg agcgcaaagg aaaacgaatc gataaggata atattcgtgt 180

caagcggaaa actttgcaag ctttgctcaa tgattgccag agagccctcc [illegible]a 240

c[illegible]tagc[illegible]aa [illegible]tcagttctg aagacgatga agatgata[illegible] [illegible] [illegible] agg[illegible]aagtgg 300

gt[illegible]aagag agcaggggag aagtttcttc ttccgatcga gaagatcctg aagctgatga 360

attatatgat ctcatcaaat ccaagggttg aatgtgatga cntcccttga aaagattgat 420

g 421

<210> 12475
<211> 224
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-A7

<400> 12475

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tgttatggtg taaagaaatt tcaatcaaaa aactgttgta ataattgtta ccaaaaagaa 120

atgcttttct ggaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaacaaa 180

anaaaaaaaa aaaannaaaa anannaaaaa nanaaaanaa naaa 224

<210> 12476
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-A9

<400> 12476

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taatgtcaaa cccagattgc cgcccttctg atctatgctt gagggtctcg tacttgatca 180

gatgcgttgg ggatctcgac acggcggcga agtacgctcg tttggctgtt ttcaccagca 240

tcaaatcgga gtcaacaaca acaatatgtc aatccatcat cggaggcatg ttacgggata 300

aaaggctcaa ggacgcttat gatctctacg agttcttctt caatcagcat aacctcaaga 360

cccaacaagc cattggctgg gnactacatc a 391

<210> 12477
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-F8

<400> 12477

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aatgggacgg tttcggagca gattttacat gcnaagggca accgctacaa ctacctgaat 120

cagtggttcc agaagccttt anagaatggg aagtgaaggt gttcgattgg cagacgcagt 180

gtcccactct tgcccagccc anctcactat cctttcttta caagtccatc anactccncc 240

ccaccnttgg atgtnaagct gatncatcca cncgttacag catcgaccag aggatcatcg 300

ggggaggcaa atcctctgca tnanccttttt cgtatnctgt cacnggctcc taatgtcnct 360

gtgtngcctt tgcngaacaa ncaacttgaa gtggaacatt tgtccgatnn anccaaaagg 420

acaaggag 428

<210> 12478
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-B10

<400> 12478

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atcgttaatt accctctgat tcccaagata tcccaccggg tttgtagtaa cagtagtagt 120

aagctcggga gttactatga ttcttcgtcg atcataaaat atggcggaat cagcgatgtt 180

gttggtaaga agcaggagct ttttctaagt gtttcggtga aancagtgga agacaaaggt 240

aacaatggag gtggaagcat gagtttctcg ggtcaaagct gggattctag ttccgagatt 300

gaagttcctt naaaccaaag acccgtgant gagtattcgt ctcnanagga acgaatgttg 360

tantcatggg ggagaattgg ggtccaagcg aaatcnttag tcntcgaaag tggtccttng 420

ggttgggtca ctttcacggn ttncctggga ngttccctgt tngcag 466

<210> 12479
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-B11

<400> 12479

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tcgaagcttc acgatcgtat aataatggcg acggcttcag ttgcttttaa gtctagggaa 120

gaccatagga agcaaattga attagaggaa gctcgtaaag ccgggcttgc tccagctgag 180

gttgatgagg atggaaagga aattaatcct catattccgc agtatatgtc atctgctcca 240

tggtatctta attctgaaaa accgagtttg aagcatcaaa ggaaatggaa gagtgatccc 300

aattacacta agtcgtggta tgatagaggt gcaaagatct ttcaagctga aaaataccgc 360

aaggggancg tgtcaaaact gtggtgcaat gacgcatact gctaaagctt gtatgggata 420

agcctcgtaa agattggggc gaagtacaca aacat 455

<210> 12480
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-B12

<400> 12480

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ctaatggaaa gcatcacaac agaggaagat gaaggaggaa agagagtaat atctctggga 120

atgggagacc caacactcta ctcgtgtttt cgtacaacac aagtctctct tcaagctgtt 180

tctgattctc ttctctccaa caagttccat ggttactctc ctaccgtcgg tcttccccaa 240

nctcgaaggg caatagcaga gtatctatcg cgtgatcttc catacaaact ttcacaggat 300

gatgtgttta tcacatcggg ttgcacgcaa agcgatnnnt gtagcattgt cgatgttagn 360

tcgtcccaan gggctaataa tc 382

<210> 12481
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-C5

<400> 12481

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tcgtcgtcgg tcgtcgaaga aagatcttct ccttctttct tcgccgtacg atcgtcgtct 120

aatgggagaa tcatcaaatc caatggctac aagttcttct tcctcctcct cctcaattcc 180

tccttcgtct ccaacaccct ctccgacgtc cacaaccact ccgccacgtc aacatcctct 240

cctccagcca ccatcttcaa aaaagaagaa aaacagaaca aacgttttca gagtcttacg 300

caccgtgttt cgatctttcg caatctttac aannancatc cgtagcatgc aaaatcccgg 360

ttananatcc ccggtttaag gcttaacggg atcacatcac nancaggtca nngaatcaac 420

gggnag 426

<210> 12482
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-068-Q1-E1-C7

<400> 12482

acaatgcatc actaaatgga atggtgacat tatggacttc aagaggcacc ttaaggctaa 60

agccggactt gaagattgaa gatagagagt cgagtcttct tctcttgatg gaaaatggaa 120

aagactcaga ttggggtcac atgctaagag agagagaggg aaggctttgg ttttttgat 180

gggtttggga atggttttta acgagttcta aagccacaca cttgagagac agagaaacca 240

tactcactaa tctctgcatt tccttaagag gtcagagatt ctttctatat taagtattat 300

cattatcatg tgcaccttct tttttttcg ttattgttgt tgaacgtttt tttgaaggcg 360

aaacagagag aaaagtaata ttttttggtg 390

<210> 12483
<211> 53
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-C8

<400> 12483

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<210> 12484
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-D1

<400> 12484

caatataagc ctgggatcca attttcttat ttccccaacc aaaacagggg aagaaaaaaa 60

aagaaaacaa aaaaatcaaa aaaaattaga aaatgaaagc ctcaacaaga gtcatatgga 120

caatatctgt ccttatgctc gctgctgtgt ccgaggccat cttccctcta ccgtttctac 180

cgttcctccc tgggttcaac aacggcttta gggacaatga ggctgtcaag gttgcgaaac 240

cacagcctgc aggagcagtt ggtggaaaag ccgcaagaag gcagcgtggc ggcggtttag 300

acgctcagac aacctggggt gggtaagtgg gaagctcttc ttggaaaact cgggtgtgtc 360

agggatgcat gngatcctta tgccanttat caacaangtc cagttctatg acgccancat 420

ttgggtg 427

<210> 12485
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-D10

<400> 12485

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ccgcaagtat cagcagagga aagctagttt ccggcggtga atccgtcgct cacggcggag 120

caaccaccaa caccacaacc ctagccgttc ctgcattcgc gaatccaang tggatcgaaa 180

tcaaaactct ctcgaaacga tcaatgcnca attcacgaag acaaccagag ctattcggaa 240

tcagaatcgc ctctgttgtt atcaccggnt tcattctcgc caccgtgttc tggcgattag 300

ataattcgcc taaaggagtt cangagcggt tanggttctt cgccttcncg atgtcgacaa 360

tgttcnacac ttgcgccgat gcgttaccan gtttttctcc agggaacgtt anatcttcac 420

tgngagaaan tgcttacaag gcntancggg nnntcgncca tnnggttc 468

<210> 12486
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-D2

<400> 12486

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tcttcgtttc ccgtctcgtt atcagtctca tctccgaaga atacccgcca tcttcgtctc 180

ctcatcacct ccgctttgaa tccacagacg ggacagccga cgaagaaggc ctccaccggt 240

agtgataaga gtagtacgaa caagaaacgt aagaaaaagg ggaaaattgc gaaacctgtg 300

gaggattggg aattgagaga ttcagaagac gcttttgagg aagatgatga tgccgattat 360

tcttcttctt cgagttctct aagcaacttt taactctcct cctaacatan ccaaancanc 420

tg 422

<210> 12487
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-068-Q1-E1-D3

<400> 12487

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acgtagacat cgcgaccacc gcttcttcat taggcggctc cggcgtcttc catatcatca 120

atgacatagt cggattcgtc ctctatatgc accagcagat cccttcggta ttacaagaca 180

tgagccttga atttgaagga ttgcaaactg aatttatgga tttggagacg aatcttgcag 240

aacctcaagt gaaaccactg gttagaagaa aactgatgag tagaaagaga gaggtgaaga 300

atgagattaa gaaactggag aaactgatga aaaccatctc tagtctccga agtgcgctgc 360

agttaatgat ccgtgaagct cctggcattc agaaagttgt gttgattccc tggg 414

<210> 12488
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-068-Q1-E1-D4

<400> 12488

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aataaaaaaa aataaaaaga agcagaaaag agataatgca gggtggtagg cttttgacgg 120

tgttggtgtg cctcgcctcc acggtggcgt tggtgagcgc cggtgaccct tacttctact 180

acacgtggaa cgtaacctac ggaaccgccg cgcctctcgg aattcctcaa caggtgattc 240

tcatcaacgg acagttccct ggtcctaacc taaactcaac ctccaacaac aatgtcgtca 300

tcaatgtctt caacaacctc gacgaagcct ttcctcttga cctggaagtg gactccagca 360

caggaagaac tcatggcaag atggtgtgac tggggacctc atgcccaatc ccagcaggca 420

ccg 423

<210> 12489
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-068-Q1-E1-D5

<400> 12489

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agatgatcac gacggttcct ccgaggtatg tacggtctga tcaagacgta gctgagatag 120

ccgttgattc tggtctaaga aaccagatcc caatcataga catgagtctt ctgtgttctt 180

caacctccat ggattctgag attgacaagc ttgactctgc ttgcaaagag tggggatttt 240

ttcagcttgt aaaccatgga atggagtcaa gtttcttgaa caaagtaaag tcagaggttc 300

aagacttctt caaccttccc atggaagaga agaagaattt gtggcaacaa cccgatgaga 360

tcgaagggtt tggacaagta tttgtggttt cagaagagca gaaactcga 409

<210> 12490
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-068-Q1-E1-D6

<400> 12490

gccagaccga acatcaaaca agaaaacaca tttgtccgaa tttcatcttg agagctgttt 60

gtgcccttca agaaatcgaa agagagcttc tttcccccat tttctgcgat tcacgatatt 120

tcttcttcta taggacaacg ttttttttaca cattgaggct aaaagagaga tggctgatga 180

tcagagttca agtactgacc gtctcgtgaa acctgaaagt ttaaactcag atagaggatc 240

caatcaatct attgaatctt ctggagagag ttctagagct cagggttcca caagcctgtc 300

tactactaaa tctatggatg gtaagaaaac cgaggaagaa gagacaacgg aacaacgcga 360

tgttgatgat gaagaggaac cgctcatcca atcggttgaa tgtcgtatat gccaagagg 419

<210> 12491
<211> 379
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-D7

<400> 12491

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tgagcgatcc acaaatgatt aaagaaatca aacaagccgt tacgattccg gtgatggcta 120

aggctaggat tggtcatttc gttgaagctc agatccttga agcaattgga atcgattaca 180

tcgatgagag cgaggttttg actcttgctg atgaagatca tcacatcaac aagcataatt 240

tccggatccc gttcgtttgc ggttgccgga atcncggcga ggctctgagg aggatccgtg 300

aaggtgcggc gatgattagg accaanggtg aagctggaac cggtaacatt attgaagctg 360

tganggcatg tgaggtcnt 379

<210> 12492
<211> 365
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-D9

<400> 12492

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aatggcgtcc ggtgatgttg antatcngtg cttcgttgga ggtctagcat gggccactga 120

tgncagaagc tcttgggact gccttcnctc aatacggcna cgttattgat tccaagatca 180

ttaacgatcg tgatactgga agatcaacgg gattcggntt cgncaccttc aaggatgata 240

angccatgaa ggatgcgatt gagggaatga acggacaaga tctcgatggn cgtagcatca 300

ctgttaacga ggctcantca nnaggaagcg gtggnggcgg aggccaccgt gnaagtggtg 360

ncggt 365

<210> 12493
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-E4

<400> 12493

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cgagaaatca ttcgacaaca acacgaagga gatggatcta gaagattggg aaatactccc 120

caaaatcaac tacaagggtc tcgaacttga tctcggtcat gaagaggatc atgaagttac 180

gaagatgatg agaaacaccg caaaaagctt cgacagtgat tacttcatct gcccaattca 240

agattctgtc ggaaagacag agtttcttca tcagagatct agcgtggtcc ccacacaact 300

cctccagatt ccaataactt gggaaccttt gtcccccgtg gacgacaaag atnacaataa 360

agtacctggg attcggattt ctcggaacca agacccggaa ctttttgacg gagtcntttc 420

cgtng 425

<210> 12494
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-F10

<400> 12494

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tcattctccg aaccacggac tcaagatcca ttccncgaga cgtttgaatc tccctcttca 120

atattcaatc ccgtacaagg tgttacggng taggagtaga agattangac tcgtcgtcag 180

ttctgtttca gctcccaacg ttnnactccg tactggacct gatgatctca tttctaccct 240

cctctctaag gttgcgaata gtgatngang tgtgacgcta agcccctgan naagcaaaan 300

ggaggtggca gaagtgncgg ntagagcntt caaaantacn gtgtcaaagg agnctgtcna 360

aaatcctccc aanttntggc agattgggaa ngtgg 395

<210> 12495
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-F11

<400> 12495

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atcggcggta ttcaagagca atcattgtcg tgctacagcc actgcatcta actatcttaa 120

tctcaattcn catcttattc tccgtacttc caancttctt gntgatgaag atcctggatt 180

ggttgggaat ctccttgtcc gagcgtctcg ttgganctaa tgttcatcta atctctaaag 240

aagagtattc ttccattggg antgaggctc ttactaagtg ctctgaaaga gaaactggaa 300

aaanaaggaa agaaacccta tgttattcca gtcggtggat cgaactcttt gggaacttgg 360

ggttatatag aancagcaag gggaaattga ggaggcagct gaattanaga ccccggnacc 420

tgaaaatttt gancgatagt gtngnaagcn cgtnngcagt ngggtgggna naantntgc 479

<210> 12496
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-F12

<400> 12496

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accaatgaaa atggggtatg ctcagagtgg nacaacgcan tgcagaagct ctctgggata 120

aanagagaag aagttgtcaa taaaattctt ctcggggagg tttttaccac agatgattat 180

ggttgctgcc ttaaagacca tgacacttta acgaagctga gaataggttt caatgctgtg 240

atttctggcc aaaagaacat agagaagctt ttatttggct tttaccatcg tgatggtagc 300

ttcatcnang cattgctttc tgcaaacaaa aggactgata ttganggaaa ggttaccggg 360

gttttaagct ttttgcaagt acctagtcca gaactccaat atgctctaca ggttcagcaa 420

atatcaanag cnatgcaant gcctgtgccc tcaaanaaan tggcaatnat ctcccgccan 480

tgng 484

<210> 12497
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-068-Q1-E1-C3

<400> 12497

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aataatccgg caaccaacgg cggagatgcg aatcagaatc atacttctgg tgcgatactc 120

gctctcacga attcagaatc ggatgcttcg aagaagagaa gaatgggggt gcttccgctc 180

gaggttggta ctcgcgtgat gtgtcaatgg agagacggaa aataccatcc ggtgaaggtt 240

atcgagcgcc gaaagaatta taatggtggt cacaatgatt acgagtacta cgttcattac 300

acagagttta ataagaagat tggatgaatg gattaagctt gaacagcttg accttgattc 360

agtagagtgt gctttagatg aaaaagttga agacaaggtg actagcttga agatgacacg 420

aca 423

<210> 12498
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-A4

<400> 12498

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gtgttggggt gttaatgcat gggaagaagg ttagagatga aaggaaaact ctgtcccaga 120

ctgggatctc atgtgatgaa aatctagaca accttgggtt caccttggag cctagtccca 180

gcaaagttcc cctacctttg tgttctgaag atcctgctgt gccaaccgac cctacaagtt 240

tgtctgaacg gtctgcggcg tctcctatgc tagattctgg gaattccaca tgcaagatga 300

cgtgattgat tcaagaaata ttgtggacag taacctcgaa ttagttccat atcanggtga 360

catatctgtt gatgaacctt catcagattc aaaagagctt gtcccact 408

<210> 12499

<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-A7

<400> 12499

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caatgagttt ggtgtggagg atcgtgatgg agtagttgtt gcagccgaag agaaaaactc 120

gaatagtgaa gctcctcaag ctgaagatga ggaaactcaa gccctagagt ttttgaacga 180

tattaagctg gactcagaca agacatattc aatcctgctc tatgggagtg gtgcgatagt 240

tgctctctac ttaacgtctg caatcgtcag ttcactcgaa gcaatccctc tgtttcctaa 300

gctaatggaa gtagttggtc tcggatacac actctggttc actacccgtt atctgctatt 360

taagaggaac aagagaagaa ctcaagacaa aagttng 397

<210> 12500
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-A8

<400> 12500

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tgaaagaaga ctagaggatg ctgggtatgc agttggatct cgagttctag agcttctttg 120

caaccgggaa aagggaaaca gaagagagac acggttactg ggaattctgt ctttcgttca 180

cagtactgtg tggaaagtgt tgtttggaaa ggttgctgat tcacttgaaa aaggaacaga 240

acatgaagat gagtacatga tcagtgaaaa ggagcttctt gttaacaggt tcatttcgat 300

tccaaaagac atgggaacat tcaactgcgg agcgtttgtt gctggcatan tgaanggagt 360

tctggataac gcagggtttc ctgctgtggt aacggctcat tttgtaccca attgaag 417

<210> 12501
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-A9

<400> 12501

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atgatttgtt tgacttcttt cagagagcag gatgagctga agaagaaact gatcgcgtac 120

gatgacttca catggaagtt atcttcatca acggaactgt ctcagggatc ggagatactt 180

aagtatgttg gaggtgtaga catgagcttt tgcaaagaag attcttccgt cgcatgcgct 240

tgtctcgtcg ttcttgagct tccttctctc cgtgtagtcc accatgactt ctctcttctc 300

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tgcagattcc gcaagaagat gagaaaatga gaagcatcca atccaancct caagg 415

<210> 12502
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-B10

<400> 12502

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cttaaaaaac ttgaggaaag aggagttgtc atacgcnttg tgattggtcg gagtgctaac 120

cgaggtgata gcctacatag aaaaattgac gancaaaatc gtgcaacnaa agacttttg 180

attcttgaga atcacnagga agcccaagaa gagttaccga agaaagtgaa nttcttctac 240

antgctgctg ttcagaattg ggacgcagag ttttatgtca aangttgang acaacgttga 300

cttggatctt gaggggatga ttgcgcttct tgaaaagtcg tcggnaatca agatggtgct 360

tacattgggg tgcatgaaat ctggacatgt gattacgtga agaaggaagt ccaatnggta 420

ataagcctga g 431

<210> 12503
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-B12

<400> 12503

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tcaaagcctg tcgatgacaa gatcatggag attgcttccc ttgagaagtt tcttcaggag 180

aggatcaagg tcggtggcaa agctggtgca cttggtgatt ctgtcacaat cacacgtgag 240

aagagcaaga tcactgtcac tgcagatggc caattctcca agaggtattt gaagtacttg 300

acaaagaagt acctgaagaa gcacaatgta agggattggc tcagagtgat ttgcagcaaa 360

caaggaccgt aacctctatg agttgaggta cttcaacant gcctgagaaa cnnaaggng 419

<210> 12504
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-068-Q1-E1-B2

<400> 12504

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tatgggacct atctagtaac tttgttttca cggaggagga cattggtaag aatagagcac 180

ttgcttctgt tcacaagttg caagaactca acaatgctgt ggctgtctca actttgactg 240

ggaagttaac caaagagcag ctttctgatt tccaggttgt ggtatttgtg gatatctctt 300

ttgagaaagc gacagagatt gatgattatt gtcacaagtc atcaagcctc ctattgcatt 360

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t 421

<210> 12505
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-B3

<400> 12505

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ggtgttttgt gaccaatgca aggatggaga gagatctttg tttgattttc ctgtctctgg 180

aatcaagatt agtgtcacat gtgctgatga aaatggacag gtctatatgt caagagaaga 240

gactactaat tggcttggag gatatgtaat gagatttgat gggacaccgg atctaagtaa 300

ctgttatgct caagtttcaa gacaatggag ttcaacaaga cccaagtagc tgcagcattg 360

cttcangtcc tgcacagaaa cttaaactaa tgttcagctt ttttggggaa tgaaacgttt 420

gctgc 425

<210> 12506
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-B6

<400> 12506

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aagaagacgg cagcaatcgt gtgctccatc tcccaggttt atggctacgg cacggtggac 180

tacgagagaa ggccgattgt ccagtggaat gccatctaca agaagatttc gctgatggag 240

aagccagagc ttggcgctgc ttccgtcttg aatcagtggg agaaagccgg ccgcaagctt 300

accaagtggg agctctgtcg ggtcgtcaag gagcttcgca agtacaagcg tgccaaccaa 360

gctctcgagg tgtacgactg gatgaacaac anaggcgaaa ggtttcggtt gt 412

<210> 12507
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-068-Q1-E1-B8

<400> 12507

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aaagaggcag agatttgagc aggacgagag tgttgagaag ctaccagatg ctctgcttct 180

tctggagtca ccgacactcg ctcaggtgac tggcggagac catgcttccg ttgttgcagc 240

tgcaatggct gagagtgcat taaggaagag agacttgagt gggaatgctt cttctcttcc 300

tcgtcgtccc aagctaccaa gaggaaattt gcctcattca aagaattatc ctgaaacttt 360

gggtaatgtg cttgtgcctc ctcagctcaa gggaaggagc aatgttgcta cagaagg 417

<210> 12508
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12508

acaactgnct acgccgcccc gtaaatgccc aaagtcnacc caggcctccg cgaagaccaa 60

acanaaccca caagtcgaaa tctcgaaatc cgttgagagt ttgttccttt ttttgtttgc 120

tcggagatgg aggctttgcc ggaggatgaa gagtacagtt tcanggaagt antgttgccg 180

tctttgattc cggtagtgcc ggagccggaa cttgagagag acagcggnga naggagaaga 240

ggaaganatg ttatcgtagc cgttgatcat ggtcccaata gcaaacacgc ttttgattgg 300

gctcttgttc atttctgtcg tctcgccgat actctccatc ntgtccacgc cgtctcaact 360

gtnaagaacg atgttgtgta tgagacgatc caanccctca tggagaaact tgctgttgag 420

gcgtancaag ttccanggta aacactgtgg ccncngtttg ttgaaaggng annc 474

<210> 12509
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-C1

<400> 12509

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atcgctaaag ctgaagagag tactgaaggt gaaactgagg ctgttgtgga gaatgctgtt 120

gaaactgaag cggaaggaga aggagaagcc actgttgcgg cggaggaagc taaacctccg 180

tggaagacga gagtcaagct cggagatatc atggggctac tgaacaagaa agctattgag 240

gttgcagaga ctgtaagacc ggttcctgga cttaggactg gggatattgt agaaatcaaa 300

ctggaagttc ctgagaacaa acgtaggcta tctatctaca aaggtattgt gatgtctaga 360

caaaatgcaa gcatccacac tactatcccg tatccggagg atattgcang g 411

<210> 12510
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-C10

<400> 12510

nnanggaact gttagcctnn cgtacgcctc cgaaaattcc aaggtcnacc cacgcgtccg 60

cagacttcca agatcagtag cttctacaac attaacatca acacctatgt tgttgtttgt 120

aagatttgtg tgaagtcatg ttcttgattc ccaagggtat caagaacatg acttcactca 180

aacatctaga catatccaac aacaacattt caagtcttcc tccagaactg ggtttgcttg 240

agcctacact tgaggttcta cgacttgacg ggaacccatt aagaagtatc aggaggccaa 300

ttctanaaag aggaacaaaa gctgtgttga actacctgaa agacagactt ccagatcagt 360

agcttctaca acattaacat caacacctat gttgttgttt gtaagatttg tgtgaacacc 420

agantgattt tattgatgan aaatgcgtgt gtcccgtgtc cgaagatagt ttcaactttt 480

ggtgggggggt gng 493

<210> 12511
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-C11

<400> 12511

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aaagtaaatg caattgaaac ggagggaata ttcgccggcg aatttccggt aaatgtctga 120

gtggtttatc agtaggaatc ctacttttttc gacggcattc ccaagtagtt gtattacagt 180

tgtaaatccc aattttattc tcctttcttc agaattcgat tcgtatactc ctcaatgcct 240

atttaatagt ttaaccacca ccatgcgtct ctctaaacgc caactctcgc ttcctctttc 300

tctctgcttc tctactttct ctcctcgttc ccgtttccat cattttcctg gaaaatatcc 360

agctcctcga agagaatttc tccacactac tgggacaagc canctgtgtt ttaagagttc 420

gatgnnaaga tcagaaaccg agtgctctca gtgaaaaatg tgttgcagtt tcag 474

<210> 12512
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-A3

<400> 12512

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ttcttctccc cccaacagca atcacggcgt accaatcgga gctaggagga gattcctctc 120

ccttgaggaa atctgggaga ggaaagatcg anatcaaacg gatcganaac acaacgaatc 180

gtcaagtcac tttttgcaaa cgtagaaatg gtttgctcaa gaaagcttac gagctctctg 240

ttctttgtga tgctgaagtc gcactcatcg tcttctctag ccgtggtcgt ctctatgagt 300

actctaacaa cagtgtaaaa gggactattg agaggtacaa gaaggcaata tcngggcaat 360

tctaacaccg ggatcggtgg gcagaaatta atgcacagta tttaccncaa agng 414

<210> 12513
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-F5

<400> 12513

gaaacaaagc gtgcctcttc tctctttctt catcattctc atcaagcttt cttcttcacc 60

aaattcccaa cactatcatt cccttcttcc tctataaaga atcatcactt cttcttcttc 120

tcaatggatc cttgggatac ttataacata ccactagacc accaacaccg tctccgtaac 180

cgccgtgacc accgtcatcc ttccttctcc tctactctcc tcgaccaaat ttaccgctcc 240

atcgacgatt cctctactaa ctcctcatcc atgagaaaaa ncaaacatca gaaccgcgag 300

gacacgcgtg tttctgctaa ccgccgcgac gatttcaaca gatccaagaa tcttaanncc 360

atagaanctg ttttcntcaa anattcaagg ctcangctcc nctggactca aggggattcg 420

<210> 12514
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-G11

<400> 12514

gcttcttcct tcctcttcca tcttcttcat atctcccttа gtcacctcta ctctactctg 60

caggcaaaaa tagttatggc gacttcttcg atcactatcc cgancattag aactccgatt 120

catcgatcaa aatttctagg ccaaacacat caattttcaa ntgtaaaccg gtcggttttc 180

ccgcctccaa aacagcagtc aaaactgtat caagtaaagg ccatgggtaa attcaatcta 240

tgggaagtga tgggaggaag aggattatgc ancggagaga aaaggnattg agaaangagc 300

tccagangaa cattgaagga cgnggcaaga gacatnnaan ggctggaggn naacgaggac 360

atggganaga ganggatgtn caggtgnggn tgggnattta nnaggtangn tg 412

<210> 12515
<211> 69
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-G2

<400> 12515

tatngataaa ggtgttcanc ggatggatcg tcatccttcc gatgggattc ctctcaggcg 60

acnaccatc 69

<210> 12516
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-067-Q1-E1-G3

<400> 12516

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gcaggactcg agggggtgga taaattaggg agaacaccat taatcttagc ttgtacgaac 120

gacgatctat atgatgtagc aaaaactctg cttgagttgg gctccaatgt caatgcttat 180

cgttctggtt gcaatggtgg gactcctctg caccatgctg caaaaagagg tctcgtacac 240

acggttaagt tacttctgtc tcacggtgca aatccattgg ttcttgatga tgatgttaag 300

acagctctcg aggttgctag agatgaaggt tacagtaatg tcgtacgcgc aatcgagagt 360

catatctgct tgttctccgg ttgtatgcgt gagtaatccg gctccaacnt gcttaattta 420

<210> 12517
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-067-Q1-E1-G4

<400> 12517

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ctatgcttga tgtcgcaaag cttagactac cctctttcga tactgattcg gattccctta 120

tatcagacag gcagtggact tatacaaggc ccgatggtcc ttccactgag gcgaagtatt 180

tagaagcttt agcctctgag acacttctca caagcgatga agcagtagtt gtagcagcag 240

cagctgaagc agtcgccctt gcaagagctg ctgtcaaagt tgccaaagat gcaacattat 300

ttaagaacag taacaacacg aacctattaa cttcgtcaac ggccgacaaa cgctccaagt 360

gggaccaagt ttactgagaa ggaacgtgct ggcatattgg ggcatctagc ggtttccgga 420

caatgg 426

<210> 12518
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-G5

<400> 12518

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ctagcaggga gcacagctta agaactagac aacgtagttt ctgttgccan ntcgntnttt 120

catnngcctc ttctgccttc ctccatatag actggtgggt gaaaactgtg ggcgtatttc 180

acaagcactc catatccatg ataactatgc tatggtttca agcagtagag tcaacctctg 240

ttagacagaa gaagctggag aagaagataa atggtgatct tagtttatat gaagaagcgt 300

ctatatgaaa atctcaagta agtagccaac taagtgtttt gatggattgt tagacccatg 360

attttgcagc cataggattt tttttcgttt ttttttccat tcaactatgt ttttggttac 420

tat 423

<210> 12519
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-067-Q1-E1-G7

<400> 12519

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cacttatggg ccctgagctc caagtccaga ttggtcccat gggagaagat acagggacca 120

aaaacgcgat cttgaacggt gttgaggttc tgaagatgag caattccgtg aacagccttg 180

atggagagtt tggagtggat ggtagaacca ctggcatggg gaagcatggt atggtagcaa 240

ccgcggggtt tgtgatgatg tttggagctt tcattggtct gggagccatg gtttacaagt 300

ggaagaagag gccacaagat tggcagaaga gaaatagttt ctcctcttgg ttgctaccaa 360

tacatgcctg gtgataacac tttcatggac aag 393

<210> 12520
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-H1

<400> 12520

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cctcagttca agtgcccacc tgattctttc tctattcact tccgaacctc tttctgtgcc 120

cctaaacaca acaagggttc agtcttcttc caaccgcaat gtgcagtatc cacttcaccg 180

gcgttattaa cttctatgct tgatgtcgca aagcttagac taccctcttt cgatactgat 240

tcggattccc ttatatcaag acaggcagtg gacttataca aggcccgatg gtccttccac 300

tgaggcgaag tatttagaag ctttagcctc tgagacactt ctcacaagcg atgaagcagt 360

agttgtagca agcagcaagc tgaagcagtc gcccttgcaa agaactggct gtcaaagttg 420

ncaaaa 426

<210> 12521
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-H12

<400> 12521

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taactttgtt gcagaacttg attgcatttt atcgttggct tgtgtagccc atcagaataa 120

ctacgtaagg cctgtcctga cagtagaatc attgcttgat attcgaaatg gaangcatgt 180

tttgcaggaa atggctgtag atacttttat cccaaacgac actgaaatca atgataatgg 240

acgaattcat ataattaccg ggcctaatta ctcaggaaaa gagcatatat gtaaagcagg 300

tggcgttaat tgttttccta tcccatattg gnaanccttt gtaccancaa gatncancaa 360

cctgttgggt taactggaca gggatccttt gtgcaantgg g 401

<210> 12522
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-H2

<400> 12522

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gatttgactt tcagggaatc aaacgctagc catgttccca atttccagag gccacttttg 180

aggaagaatg taggggggaag aatgtctgca ggccggagga ggagttttga tgatagccaa 240

ctgcaaattg gtgacatatc aaattttgtt gatggtccag cttccctgaa cgaggccctt 300

aacgacggac tgaactcaag ttctgattgg tgtgccagag ttgcagcttt taattttctc 360

caaactctgc tgcagcaagg cccaaaaggt gctcaagaag taattcaaaa gttttgagaa 420

agtaatgaaa ctatttctcc ggcatttgga tgatcctcan cacaaggtcg cacaaagcaa 480

caa 483

<210> 12523
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-H3

<400> 12523

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tggtggtttc tcactttcta gattctcctc tgttttcaag aaagatccca aaaccaatct 120

ccaccaccac tcctcctcct cttccaccgc aacaaccgcc gcagctccgt cgtcggtgaa 180

gagaatgagc tcaacagcta aagaagtaat acggaaatac atgaaaaaag tcaaaccatt 240

atacgaaaaa ttatctccaa aacagagctc caatataaaa acagagtcat catcatctct 300

caaagattcc ggtaacaaca tccgtgggga ccaccaancg taaccaccgt caacggcgct 360

ccaaacgttg tctcctccgg tgggtgggtt taacaatccc tttctccggg aaactaaang 420

<210> 12524
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-H5

<400> 12524

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tcatggttgg ggtgcagata aatcctgtat caggattgcc ttctggatat ccagacttgc 120

ttcgtttcgt cctagaacat gttgaagaaa agaatgtaga gccacttctt gagggtttgc 180

ttgaagctcg tcaagagcta aggccacttc tgctgaagtc ccatgaccgc ctcaaggatc 240

tgttattctt ggacctcgct cttgattcta ctgtcagaac agcgattgaa agaggatatg 300

agcaattgaa tgatgctgga cctgagaaaa tcatgtactt catcagccta gttcttgaaa 360

atcttgccct ctcttcagat gacaatgaan gaccttatat actgcttnaa agggatgggg 420

<210> 12525
<211> 328
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-H6

<400> 12525

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cgatcccttc tctgcaggct catctttatc taatttcgtt tactcattat atcttctaat 120

ccgtttcgta tactatcgcn antcttgttt tctgtttgtt tgtattttgg gattttcttt 180

gtgtttacgt gataanggat gcaggtttgn ancggtgccc agntcaanaa nactttcttc 240

ncagaaaaaa ttccaangga anntctggac aggttcanac cgaataggtn gagcgatgga 300

cttttgacta tgctcantgg gncntcac 328

<210> 12526
<211> 304
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-067-Q1-E1-H7

<400> 12526

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aatttcatcg tcaagactcg tccggaatga gaaaataata agttcaatgc tttgattttc 180

agaataagat gaacgatgac gatgttttct aaatccgagc ttgtactaaa taacaataca 240

ttacaacacg gtttgcggaa ctaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg 300

gcgg 304

<210> 12527
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-067-Q1-E1-H8

<400> 12527

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ttgcgaagta tgggagacgc tagagacaac gaagcctacg aggaggagct cttggactat 120

gaagaagaag acgagaaggt cccagattct ggaaacaaag ttaacggcga agctgtgaaa 180

aaagggtacg tgggaataca cagttctgga ttcagagact tccttttgaa accggagctt 240

ctcagagcta ttgttgactc aggatttgaa catccatctg aagtgcaaca cgaatgtatc 300

cctcaagcta tcttgggtat ggatgttatc tgccaagcaa agtctggtat ggggaagact 360

gctgtgtttg tcctgtctac tctacaacag attgaaccat ctcctggcca 410

<210> 12528
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-A1

<400> 12528

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gttggcctgc gttattggaa ttgcggtttg ctgttgcctg ccatgcatca ttgcagtttt 180

gtacgctgtt gctgatcagg aaggggcttc aaaagaagac attgagcagc tcaccaaatt 240

caagtttcgc aaactaggtg atgccaacaa acacactaat gatgaagccc aaggaactac 300

cgagggaata atgactgagt gtggtacana attcacccat tgaacatact ctttttgcag 360

gaagatgcac aantgtttca tcctgtctct ctgccataat gaangacnga acaaganctn 420

aaagggaanc taccttgntg gng 443

<210> 12529

<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-F3

<400> 12529

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ttatcgattt cgttttgatt tcgcgccaca aagaagaagt ttcattaggc gcgaatctga 120

aacctaggtt cgatttagtt ctgtccgaat tactgtccgt tgtcttgtcc gttagtcgat 180

tcgatctgag aaagaaagaa agagaagaag aaaaaacgat gtcacgatat ttcacatccc 240

caccgcctgt gtatgcgagg aactgggcga acggtcaaaa cttggtcgaa tggactaaga 300

tcgaaaggac caatagttga ttctaaaaag ctgcatcgga aagagaagaa ggagaaaaag 360

aaagaaaggg aaattatnga angagaagaa atccccctttg aacaagnagt tntccacaac 420

caagacg 427

<210> 12530
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-B2

<400> 12530

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tatcttcgtc ttctcttaca nnttccgacc aacagagatt tcnattctct ctccaagtcc 120

gacgagttca agcgtccgat cgatgagtta gcttggagct cgcagtctgt tcttgagacg 180

attggtggta agaaatcgat gagatttgat gatnccatgg atnagttcaa gaggaatcna 240

nagatggagg aagattcgaa gaaggtaatc gatgtgaaag tggctgagag tgataaggga 300

ttcgcgaaat ttggcaaggn agatgttccg tttcatatan cgacgttaac gaagcctcaa 360

gaggagtata agattttggt anacaatgct aataatcctt ttg 403

<210> 12531
<211> 414
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-B6

<400> 12531

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cctgacatcg tgttcgttcc cgggagaaag gattcaaatg tctgccccaa ngaangaaga 120

cttcctgatg ccaaacaagg tttccaacat ctcagagatg tcttctaccg catgggacta 180

tctgatangg atattgtggc actctcaggg ggtcatactc tgggaagggc tcacccggan 240

aggtcaggct ttgatggacc atggacccaa gagccgctga agtttgacaa ctcctacttc 300

ntggaactgc tgaaaggana atcagagggc ttgttgaaac ttccaactga caanacctta 360

ttggnagacn cggagttccg tcgtcgtgtt ganctttatg caaccgattn aaga 414

<210> 12532
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-B8

<400> 12532

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gaagtttact cacgtcctct acaatctttc gcctgcagag ctttatgagc aagctattaa 180

gtatganaaa ggttcgttta tcacttctaa tggagctttg gcgacgcttt ctggtgctaa 240

gactggtcgt gctcccagag ataagcgtgt tgttagagat gctactactg aggatgagct 300

ttggtgggga aagggttcgc cgaatatcga aatggatgaa catactttca tggtgaacag 360

agaaagagct gttgattact tgaattcctt ggnaaangtc ctttgt 406

<210> 12533
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-C1

<400> 12533

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atttctccga cgatccctct tccgcctcct tgttccgccg ccacgtatct tctgccgacg 180

ctgtcgactc cgatctcagc taccgaaata gattcctcct caaccatcct accgatccaa 240

tcggtctctc tggtcttctg cttcttcctc agtccttcgg agcgatctat ctcggagaaa 300

cattctgtag ctatatcagc gtcaacanta gttccacttc aaaagttcgg gatgttacca 360

ttaaggcaga aattcaagac anagaagcaa gaggattcta cttcctggat acatcca 417

<210> 12534
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-066-Q1-E1-C11

<400> 12534

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aaaatatcta ctactcgatc catgcttgcg tcctaatgct ccaccaggat gtcatcgtca 180

gccatataaa ccccgtactc cggttaacgt atatagtcgt ggttgcacca caatcaaccg 240

atgccgccga gtgcagaatc cgtgagatct aatgacatat tttatggact tatgcaacca 300

cataagtcat attatgtata tgtttccaaa aatttcatag gattgatctt cagtattgtt 360

gaggctcatg ggggtttgaa tttaattgat tcatgtgtaa tagtaact 408

<210> 12535
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-C12

<400> 12535

aaagcaaaat tcgaagagac acaaaaaaac cttcgtttgt gtctcagaat ttacaaagtt 60

ttgagtcagt agagaaatgg cgggaatcgt gacagagccg tggtcagtag ctgagaacgg 120

aaacccaagc ataacggcga aaggatcgag cagagaacta agacttggaa gaaccgctca 180

caacatgtct tcttcttctt tgaggaaaaa atcagacctc cgagtgattc agaaggttcc 240

atacaaaggt cttaaagatt ttctctctaa tctccaagaa gtcattctcg gaacaaagct 300

tgccattctt tttccggcca ttcctgccgc cattatttgc acctaattgt gggcgtcagt 360

cagccttgga tatttggact taancttgct anggactgac acctttggct gag 413

<210> 12536
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-C4

<400> 12536

tgttantcng ccgccacggn ccgnaaaaac ccgggnccaa ccaagcntcc gnccaancct 60

ncgcggacgc ntgggcncna acagtcntgt tgggttttgg gttttgagaa acagagangt 120

tttggcttcc gggtcgttag tgtttgatca tcttcgtatc tcagaagggt gaactttgtt 180

gttttggctt ttgcgtactg ttgaatcagc ttttccagat gcctcgaaga ccatcatcag 240

gaagaagagt gttaaagcat cagcctttaa cattttcacc gtttatgcgg ttactttcct 300

ttgcttcaat ggctaggcgt gatttgtctc atcctgaaga ttgtcaatgt tctgatgaag 360

atatatcttt tgatgaaaag caaaagatcc ctaatttacc aagaaaaggg aaagaagaac 420

aagtctcgga ctcgtctgat gaagaagatt ctcaggaaga tgtccaag 468

<210> 12537
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-066-Q1-E1-C5

<400> 12537

cggttcctgt tagaagcagt tgtcttcgta gttcggcaaa cagacttact caacacagac 60

cgtttcttac ttccgaggcc atttgtttga ggaagaatcg gtttctaccc cattctgttg 120

atacacataa gcaaaacagc aggaggctca tttgttctgt tgccacagaa tcagttccgg 180

ataaagctga agattccaaa atggatgcac ctaaagaaat atttctcaag aactacacaa 240

agcctgatta ctactttgaa actgtggatc tgagcttctc tctaggtgaa gagaaaacaa 300

ttgttagctc taaaatcaag gtttctcctc gagttaaagg atcttctgct gcattggtct 360

tggatggaca tgacttgaag ctactttctg tcaaaggttg aaggggaaa 409

<210> 12538
<211> 376
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-D11

<400> 12538

aaaaaaaaaa acgctcgcct acttctcttc tctctcacca tagagatagt ttcaagctcc 60

aaaagttctt caatcagatt ctggaaacta ggttgttggt agaagttatg gtgagaaatg 120

aagcttagat tgagatttaa gttatgggtt gtgtatttgg ccgagaggcg gcgacaacaa 180

caacagctga agctaaacaa gctaagagct ctaaagctag tagtggagta gtagtagtag 240

ganagagtag tgtgactaag agtaatggag ttattgctga tgatgtagaa gaagaagaag 300

aatgaggang gcaaatggtg ataaagaaag gaaatcatcc aaaggagatc gaagaaggtc 360

gacaaagccg aatccg 376

<210> 12539
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-D2

<400> 12539

ntgttatttg ccggcccggt ccaaactaaa cgggtcgacc cacgcgtccg nngacgcgtg 60

ggcggacgcg tgggttttgc acaacttcaa ttttgtccct caagattctc cttattacaa 120

aacgtcccct tttcccacat catccttctt caacgttcgc tttcccatca agaacaanca 180

aatctcttgt aacaaagcaa agaatttgag aatggatccg tctaagggaa tccaagaaca 240

gaggattgtg attccaaaca gacacaanga naagctggtt ggtctgcttc atgaaactgg 300

ttctacagac atcgtagtct tgtgccatgg ctttcgatca aacaanagta accaaanaat 360

gaataatgtg gctgctgcta tacaagaaag aagggatcag cgcttttcgt tttgatttct 420

ccgggaatgg anaagagtga angcagtttc nattaaggta actaatacca atg 473

<210> 12540
<211> 336
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-D9

<400> 12540

ttatcgcagg aggtaagagt aagaanacca naaggactgc tcctaagtcc gatgatgtct 60

acctaaagct tctcgtcaag ctttaccggt ttttggtgag gagatctaac agcaacttca 120

atgctgtgat tctgaaaagg cttttcatga gcaaagtcaa caaagctcct ctttcactct 180

ctaggcttgt agagttcatg actggcangg atgacaagat tgtngtgttg gttggnacta 240

tcactgatga tttgagagtt catgagattc ctgcnattga ngggtacnng ccttgangtt 300

tactgagang ggctatgggg ctaagaattg nagaaa 336

<210> 12541
<211> 94
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-E2

<400> 12541

gancagcatt tctggtctca acccaagtct agcctctggc cntcctgaga aagtgcggtg 60

ttcncaatcc atatccactc tccatgagct tngg 94

<210> 12542
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-E4

<400> 12542

gtaagtttac ccagatcctt ttctcctctg ttttttcttt cgcattgtta tcttcagtgt 60

ctgtctcatt gntccctttt cccagaagct gaaacaaatc tgtttttttt ttttttgttt 120

tgtttctgtg aancttcaga tcttgatctg aggagaccct acagattctc ttagtgtttt 180

ggttcactgg aatgatcaag gatctaagtt atgtagaaat ttcntagttt gggagatttc 240

angaanattg ctaagagttg agtgatacta agttcaggat taatattgtt tttgagaana 300

acacagtcaa agatttagaa agtgatgtga tnttttgggt tcanatatgt tacaccgtct 360

tagatggttt actggattga gtaaaagaag tagagaagcc atgacgcctt gatgg 415

<210> 12543
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-E6

<400> 12543

ccatctcaca accctaatct ctcccacaca agagagatag agagaaacaa tgaaactttt 60

tcttctcctt ctttttcttc tccacatttc tcataccttc accgcaagcc gaccaatctc 120

cgagttccgt gctctcctct cactcaaaac ctctctcacc ggcgccggag atgacaaaaa 180

ctcgcctctc tcttcctgga aagtctcaac aagcttctgt acatggattg gtgtcacgtg 240

cgatgtatct cgccgtcacg tgacttctct tgatctctcn ggtctcaacc tctccggtac 300

tctttcccca gatgtttctc atttacgtct tcttcagaat ctatcactcg ctgaaaatct 360

aatctccggt ccgattcccg ccgggaaatc tccgangccn ttccgggtct t 411

<210> 12544
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-F1

<400> 12544

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gatttggaga tgttgttgga ggcatacttc atgcaactgg atggaatgcg gaacaagatt 120

cttacagtga gggagtacat tgacgacaca naagactacg tgaacattca actggataat 180

caacgaaacg aactgatcca gctgcagctg acgctgacca tancctcgtt tgcaatagcc 240

gcagagacat tgttggccag cttgtttgga atgaacatac catgtccatt gtanatcnta 300

catggcgtct ttggttactt tgtgtggagt gttactgcac tttgcattgt gcttttcatg 360

gncactcntg gttacgccan gtggaanaan ctgctangct cataatctcc ctctctctta 420

naaaccaatg tgccncttgt gtnataannt atacatangt tag 463

<210> 12545
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-B12

<400> 12545

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gagaacaagt agccaagaaa ataacggtga tgggtaggtc atctcctaac gacaagctct 120

tacttgttca agcactacgg aaaaatggag atgttgttgc agtcactggt gatggtacta 180

atgatgctcc tgccctccat gaggcagata taggtctctc tatgggtata tcaggaactg 240

aagttgcaaa agagagttct gacatcatta ttttggatga caattttgct tcagttagta 300

aaggttgtcc gtttggggcc gttctgtgta tgcnaacatt caaganattt canacaattt 360

caagccttna cngtgaatgg ttgcccgcaa cttaataaat caatgttggt agca 414

<210> 12546
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-G9

<400> 12546

taactttcct aaaacaatgg ctttaaaaca tatgcaaatc tttctcttcg tcgctatatt 60

ttcatcattc tgtttctcca tcactctttc tcgtccactc gacaatgaac tcatcatgca 120

aaagaggcac atcgagtgga tgactaaaca cggccgtgtc tacgcggatg tgaaggagga 180

aaacaatcgc tacgttgtgt tcaaaaacaa cgtcgaacgc attgaacatt taaatagcat 240

tcctgccgga agaactttca aacttgcggt aaatcagttt gctgatttaa ccaatgacga 300

atttcgttcc atgtacactg gtttcaaagg tgtctcggca ttatctagcc aaagccaaac 360

taaaatgtcg ccgtttangt accaaaacgt ttcttctggt gctttgcg 408

<210> 12547
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-H10

<400> 12547

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gaggactggg ctgtgaaagc caaagaatgg gcagctgcga acaaggatca gcaatcacag 120

cagtctgcac cgaaccaacc tagcggacaa gtctaccagc agcagtatcc tactcatggc 180

tatcaagatt ttcatcaaca ggcagttcca ggagtaagct atcagcagca tcagcagttt 240

ccagttccac ccacaacaca gcccgagaga tatccaaatt acgcaacagg aaacgagagc 300

tttcctggag ttggattgcc ccaagaaaac ctgcctacca gttctgcaat tcatcagcag 360

gaggtacctt atanttattc ttctgtagca gggtaancat ttacntagaa catagct 417

<210> 12548
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-H4

<400> 12548

agtgcaattg tattgtcccg ttgaagccat ggaagtagag agatcgagca acccaacggc 60

tgattcgaga ttgttgttct ctctcaagtt taatcagctt gaaggtgtga tgcagttcaa 120

tcacaaagtt gtagttagag acaattggat cgatgtgatc gtgaagatag acaacatcag 180

atacgatgta ataaagcttg taaacgagaa actgatgtcg agaagaggag caggggagca 240

cgaaaagcat ttcccatcaa ggatctctct gcaactaact cctactcctc caaaaccgat 300

ttcattaacc gtttccggtt agcaaaatca tcaaaacaat cccggggaag aaaagtttga 360

aagtcnanaa gattctaatt gaaaggntcc gttccgattc aaccaaacct caccaaaggc 420

ttaanaantt ngcngggccc aa 442

<210> 12549
<211> 133
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-H5

<400> 12549

tancacaccg atnaaccaaa acgccgccgc tgcttttgcc gccgtctccg aggangagct 60

tcagaagatt cagcttcant ctatcagtgc atcgttagca tcgttaacga cagagtcacg 120

gaccatnggt ggt 133

<210> 12550
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-H6

<400> 12550

aaaaaaataa ntcantggaa ggangaggaa gaggaccaaa tcanacgatt ctcagtgaan 60

tanaacatat gcctgaagct ccacgtcaac gtatctctca tcaccgtcga gctcgctctg 120

aaaccttctt ctccggcgaa tcaatcggcg atctcctctt attcgatcct tccgatatcg 180

atttctcttc tctagacttc ctcaacgctc caccaccacc acaggcaatc acaacaacaa 240

ccgcangctt ctcccatgtc cgttgattcg gaagaaacct catcgaacgg tgttgttcct 300

cctaattctc ttcctccaaa acccnaagct angattcngt cgccatgttc gtagcttctc 360

ggttgattcc gatttcttcg atgatttggg tgttacngag gagaagttta tngccag 417

<210> 12551
<211> 406
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-H7

<400> 12551

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tttcaaggga tttgctttaa agatcaatcc tttcctaaga aaatagcgac aattcatcag 120

cttttccttt cccatccttc agtaccttaa cttactcgag attcatcttc cagctgaaat 180

tgtgaaactt cgtttctggg tttttatcag aaaacactct gtgacttatt gtgtggtgat 240

cgaggaaaga aaaaagatgg ttggtggtgg naacaggaga gatgagggat cgatgccgat 300

tcagaacacg aacttgtttg ctgctttggg tacctcgagg aagaanaaga agtctgataa 360

ggctggtaag agcanagctt cctctannag agaagattca cagaag 406

<210> 12552
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-A11

<400> 12552

cgttctaaat gatccattat ctccatttca tcggtgaatt ttgtttctcc agtgctgtta 60

aagtagttga gtggttctcg gagaatctgt ttctcaaaag aagcacaatg gcgttatcna 120

agagagggtt cgtgatgacc tctaatccta gatttcacgg cgaggaagan gaattagagt 180

taggattang atcagtgang ttcacgcgag gattagggag gaaaaggatt ttgatttcga 240

gttgtgtgcg tgaatctcta tctagatcgg ccgttgagat tccggtagta tctgaatcgc 300

cgccggtgaa aagttcgttg aagagacaac naagcagaat aacaattgtt tcttcttcat 360

cctccgaaaa atctcgactt gagtgtcncc ctcaaagat 399

<210> 12553
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-A2

<400> 12553

cgaagaagag cttagatcca gttccagaaa ccctaatttc agcaaccgat caaatcgccg 60

gaggaattca aattctgaag acgacgacga tgagaggaga gacaaaaagc atcggctttt 120

acacggattg aattcacacg agggtcgtga ttcttctaat tccaaatctg gcggcggcga 180

tttggactcc gatgcacgca accgccggaa aattgacgga tctgacaata cgggagaaaa 240

ggcttcgaaa gcgacagaca ttcttcttca aagagggtca cttgtggagt ctacaccttt 300

gccaagacaa aaagttgttg ttcttcattc ttgatagagt tcaaaagaag gatacttatg 360

gagtgtactc cgattcagct gattcagang agcttccctg attattatga natt 414

<210> 12554
<211> 351
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-A3

<400> 12554

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gatgaagctc tgcaacgaga gattcaagct gcttttcgca canatganat ccgaagaact 120

cctcctacac cgcaagatga aantgagagc agggatgagc tacttccatg agacaatctg 180

gaaaggagtt ccaaagttct taagacgtgt tgacacagct ttaaagaaca ttggnatcaa 240

cgngcgtgtt ccttacaatg cgnctctcat tcagttctct tcttgggatg ggcggagacc 300

gtgatggaaa cccgcgagta actcctgaan ttacangang atgtntgctt a 351

<210> 12555
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-A5

<400> 12555

nnnnnnnngn anttccagct gnncgngccc gtccanaact aaaaaggccc gggccacnca 60

cgcaatccga aaaaaatgag agagaggtgg caaagatgaa gtggaggtga gagacggaaa 120

gcaaaaacaa tagtcacgag aatcaacacc aactcttaaa ccaagataga ccaagaaacc 180

aaacagagta aataaatggt ggccttgaca acattgaaat ccccaaaaat ctcaactttt 240

tagggttttc gagctctgaa atctctctat ctttcttctt cagatttctc actttttttct 300

tcttcataag atcctcgtga ttccacttta taacgtacgc ctcctttcaa gaaaaatctc 360

tctctatatt atctacgttt ctctcgcctt gtctcctttt gaggttccat ttctacttct 420

ctccaaaatt cgaaactttt cccactctct ctctctctct actagtttga catgaacagc 480

gacggtgtt 489

<210> 12556
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-066-Q1-E1-A7

<400> 12556

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ctctgcttcg taatgttacg tttcatgggt tacgagtcca aggaattcgt gtgggaaacg 180

cagaggttcc aaacaataag ccactcaaaa ccggtcttca agaagtttat ggaatcggcc 240

gccgtaaatc tcaccaggtt ctctgtcacc ttggaatcac taacaaactt gccagagact 300

taactggaaa agaactcatt gatctccgtg aagaagttgg ccagcaccag catggtgatg 360

aactgaggag gcgtgttgga tcggaaatac agagactggt cgaagtagat tgct 414

<210> 12557
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-066-Q1-E1-A9

<400> 12557

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cagagaaata caactaccac cgaagattta atcgggatgt aagccgcacc actgattgtg 120

ttatctgcat gaccgctatt gatctcagac agcataccag tgattgcatg gtaactccat 180

gtgaacattt ctttcactcg ggatgcttac agagatggat ggatataaaa atggagtgtc 240

caacttgtcg gcggtctctt cctccagcat agaggatgtt ttcggtttgt taggatgtac 300

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<210> 12558
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-B1

<400> 12558

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cctacaattt cagctaaaat agggcaaaac cctcgcggcg tcagatcggt ttatccgacg 180

gtgagaatgc agtcacgtgt tcaccgtctg attgaagagc aaggtgctgt gcttattccc 240

ggagtctacg acgcattatc tgcggctatt gtgcagcaga ccggattctc cgccgcatta 300

atctccggtt acncccctctc cgccgtaact ttgggaaaac cagatttcgg tttgataaca 360

cctccggaga tggcagcaac ggcgagatca gtgttgtgct gcngctccaa agattccaat 420

cagttgcaga tgcagatact gggtggagga aattgctcct caatgttcaa aagnacc 477

<210> 12559
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-B10

<400> 12559

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agaaaaaaca acaaaaagac atgataacga gagagagttt aacgctgaga agcatcacaa 120

tgatgacttt agtgacaatc ctggtctggt ctgcaactct agagacctgc attgccagaa 180

gaggaagaca ttggagacac caccatagga gctcctcctc tttgtctgat tccttgtcca 240

gcaagaaacc aanaangcca tgaagaacaa ccaccaccac atgtcccata agtcanaaca 300

aaacgaagat gaaaactcag ccggccaaaa tccaacgaag ggttcacctg ttgtgtcaca 360

ngccancaca agttcaacaa ccaccaccac cacatgtcna accaccag 408

<210> 12560
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-B11

<400> 12560

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ggctttacct cctcttccat gttatactca gaaaacccga ctcatgaaga ggaaaacgag 120

aaagcgagtt gaagagaccg ctgatgttac atcctatgca tcaaaccata atctcttctc 180

ttattatgat tgtcggaaat ctttggccga tattgctctt aatgacaact cccgcaacct 240

agataagaag aataagagcg ccaaggatga gacagctttc tctgaagaga caccgcctct 300

ccgagtttag agaaggcgat gcgtacttgg gacaagatac ttttggaaat tgaagcaagc 360

aaagtcagaa ngccggtnaa ctttgaagat tcgcgtagac aagggntttg aggtgaa 417

<210> 12561
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-G8

<400> 12561

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gtgaagttta cagctgatga gcttcgaagg attatggact acaaacacaa catccgtaat 120

atgtctgtta ttgctcatgt cgaccacggg aaatccactc ttactgattc tttggttgct 180

gctgctggta tcattgccca agaggttgct ggtgatgttc gtatgactga taccagagct 240

gatgaggctg aangtggtat cactatcaag tccactggta tttctctcta ctacgaagat 300

gactgatgaa tccttgaaga gtttcactgg agccagagac ggaaacgagt acctcatcaa 360

tcttattgat tcacctgggc acgttgactt ttcctctgag gttactgctg ctctcg 416

<210> 12562
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-D9

<400> 12562

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tattccacac accaagcttg cagaagtcaa gggacatcaa aactgggtga agatgagtgg 120

tgaatactta acattccctg gtggaggtac tcaattcaag aatggtgctc ttcactacat 180

tgatttcctc caagagtcat atcctgatat tgcttgggga ataggactc gtgttatatt 240

ggatgttggg tgtggggttg ctagctttgg gggatatctt tttgacagag atgtactcgc 300

tttgtcattt gcacccaaag acgaacacga ggcacaggtg caatttgctc tgggaacgtg 360

gtattcctgc aatgtcaaat gttatgggga accanggaaa tt 402

<210> 12563
<211> 65
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12563

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ttgga 65

<210> 12564
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-E2

<400> 12564

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cttgttgcct gcattggtgg ggaagaaagg actatcgagt ttatggaaag acaagggcgt 180

aagagcttta agacgccact cttagatcac aaggatgaaa agggaatcat caaacatcct 240

tttcctatga atttattctt aaaaccgtgg aggctcagtc cctggtttta tcaagttgtt 300

aagtttggta ttgttcanta tatgataata aagtctttaa ctgccctcac agctctgatt 360

cttgaancct tcggtgtgta ctgtgaagga gagtttaaat ggggatgttg ggtaccc 417

<210> 12565
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-E3

<400> 12565

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ttatctcctt cctcttcctg ggtttctcgt tcctcctctc gcctctcttc ttctccactc 120

ccttccttcc tctttccttg ccgtcgaacc cttcttcaaa ggaaactagc ttccactgat 180

ggaaatgtcg gttattgtac tactacagtt tgtcagggat ttcaagcatt cggttcatca 240

acggtcgtct tctgttgtgt ttaacggaga gtgggaactt cgatcggaat ctaacaaggt 300

aaggatggtt cctaagatta tcaaggttgg gnaatcaaga cggaggtagc cgaaactcat 360

caagttcctg gaactgtaag tgcntggngg gaagaagcta anaagcttna g 411

<210> 12566
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-E4

<400> 12566

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ctcttaaact cgctacgtcg attcttaaag gattcatcgc cgataacttt tatacctcct 180

tcttttccga taggatcggg actcattttg tttccaacac cccggatccg gtgatttagg 240

gcgctttttg atgcttatcg agtaaaggat ttatcgattt agtgatcgtt tatggaagga 300

ggtggtggtt ctggtgagcg ttcacggatt gcttcgaata ctcctcgaag cttgaaggag 360

aagagcgatg gggttggtan gactgtgtct tctactgaaa ctangcanaa ttatca 416

<210> 12567
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-065-Q1-E1-E6

<400> 12567

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tgaattagcc atggattctt ctaccacctt gaatgctgct gagtctagcg ctggtgatgg 120

agctggacct cggagtaaaa atgctttgaa gaaggaacag aaaatgaagc agaaagagga 180

agagaagaga cgaaaggacg aagagaaagc tgaaaaggct aaacaagcac ctaaagcaag 240

ctcccagaag gcagtggcag cagatgatga agagatggat gcaacgcaat actatgagaa 300

cagattgaaa tatcttgcgg ctgagaaggc taaaggggag aatccatatc ctcacaagtt 360

cgctgtgtca atgtcgattc ctaaatacat tgagacgtat ggtaatttga caatggg 417

<210> 12568
<211> 92
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-E8

<400> 12568

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cggaggaacg gtcggcgctt gtgncattgn ca 92

<210> 12569
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-065-Q1-E1-F2

<400> 12569

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gttgtctgat ctgacgtggc tagatagctt ctccaacgct ttatctcgga aactccgtga 120

caaaagatag tactttcatg tctgttttgg tttcatccaa aagtatcaaa tttgtgtgat 180

cttctccaga agaaacttga ggaactttaa gctaaacctc tgtagttttc agattgattc 240

gttggtggaa agcgtctaaa ttttgcgtaa atggcggcag ctcttgtacg cagattctgc 300

cggggatcat cttttccggt ctctggtcat ggatatagga tgctatcgac ggttgaaaat 360

gtatctgaaa gtggtaaatc gatgaatcta tactctgcta ttaatcaag 409

<210> 12570
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-F3

<400> 12570

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taataacatc ccttgtgatc aaacaagtaa accattcaga agatgaaagg aagaattttg 120

attttgagtt tgctcataat gagtctggtc atggcacaag ttcaagtaga agcaaagatc 180

tgctgccctt ccaaccaagc tagaaatggc tatagtgtat gccgtataag gttttccaag 240

ggaaggtgta tgcaagtgag tggatgccaa aactctgata catgccctcg aggttgggta 300

aacgccattc tcgaaaactc aggctgatgc taccaatgaa gcactgcaag ttagggtgtg 360

aaacttctgt gtgtggtgcc atgaacactc tccagaactc tgatgcaaag tgaaattgtg 420

aatnggagcg tcgggaacaa tgtgcccngg gatgtncnac tttcctgtnc caanag 476

<210> 12571
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-065-Q1-E1-G10

<400> 12571

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taaacctgtg cgactcagct ggtgaaaagc tcttggtttt cagccagtat ctcattccac 180

taaagtttct tgaaagacta gctgctttag ctaagggatg gaaactaggg aaagaagttt 240

ttgttcttac aggcaatacc agttctgagc agcgtgagtg gtcaatggaa acgtttaaca 300

gttcgccaga cgccaaaata ttctttggtt cgataaaagc atgtggagaa ggtatctcgc 360

ttgttggagc atctcgcata ctaatattgg atgttcccct aaacccttct gtgaccc 417

<210> 12572
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-G11

<400> 12572

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tctccatcct ctttcttcag atttaagaga aaccttatcg ttatattctc tcttctcttt 120

tctttttgac tcccacaaga agaaagcaaa tttctttttc tcaggattgc ttgaaaactg 180

tagaaatctt tanggttttt ttacaccaat aagagtcaga gagagagaga gagagagaaa 240

gagagatcta ntcataaaaa agacaggtaa tcncaactcn gaggagataa ntgnnataan 300

aatttgcgag gantaangan naaganagan agaagaagan caaagctaan ngaatggttg 360

ctttttttatc aggcntgncc ttggggaaaa nttttggcaa atc 403

<210> 12573
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-G2

<400> 12573

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ctgaacaang ttgcaatgac tcatcctatg gctgtcacca actgcaacat tgatatggag 120

agtttaatct ctgatcaaaa tagaagcatt gctacactcg caataaccac actattgaaa 180

acagggaacg aatcaagtgt anaacgtttg atgaagcaga taactaattt tatgtcagat 240

attgctgatg agttcaaaat tgtggtcgtg gacgcaataa gatcgttgtg tgtgaaattc 300

ccactgaaat acagatcctt gatgaccttc ttaagcaaca ttcttaggga agaaggtgga 360

tttgagtata aaagagcaat antagattct attgtgacca ntatc 405

<210> 12574
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-G3

<400> 12574

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tcctccacct ctcctttgtc ctcaatagcc gacgatggct tcatcgtcct cttccatttt 120

caccggtgtt aagttctctc cgatcttagc tccctttaac tccggagata gccgccgctc 180

tcgatatcta aaagatagcc ggaataaagt taggtttaat ccatcgtcgc cgcgtctcac 240

tcctcatcgt gttcgcgtcg aagctccgtc tttaattccc tataatggtc tttgggcggc 300

gcagccaaat tcgcataagg gacgtttaaa gaggaacatt gtttcgggaa aagaagctac 360

cgggatatca ctttctcaag gacgtaattt ctgtcttact tgtaaaagga atcaagctgg 420

aatcagaaga gcattaccta gtgcctttgt ggatagaact gcatttaa 468

<210> 12575
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-065-Q1-E1-G5

<400> 12575

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ggtttcatca cgaccaaggc tcgcgccaca agtacttccc tcgccacaaa agttccctct 120

cttccttact cgatcgattc agatcgaaga tagctgacgt cagattcttc ctgaagaacc 180

ctagcgttct acggccacaa gagcagtcgc aaaaccgtgt ttggtgtgtc ttctgcgatg 240

aggacattgt tgagctcggt agctccttcg cctgttctaa ggctatcaat cacttcgcaa 300

gttccgatca tcttaagaat atcaagcaat ttctgtcgaa aaatggcccg gcaatggatt 360

gcatagacga gttccgaatt tcagaagctg a 391

<210> 12576
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-G6

<400> 12576

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tactcgctat cggcgttctc gctatgccgg aatctccacg gtggctcgtt atgcaaggcc 120

gtctcggtga tgccaagcgc gttctggaca aaacctctga ttcccccacc gaagcaactc 180

tccgtctcga agacatcaaa cacgccgctg gtattcccgc cgattgccac gacgacgtcg 240

ttcaggtgtc gaggaggaac agtcatggag aaggagtttg gagagagctt ttaatccgac 300

caacaccagc cgtgcgtcgt gttatgatcg ccgcaatcgg aatccatttc ttccagcaag 360

cttccggtat cgacgcggtg gttctcttct caacgcgaat tttcaaaacc gccngg 416

<210> 12577
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-065-Q1-E1-D7

<400> 12577

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ggttgatatg aacagtcttg tgagaagaaa acaagttgat tctgttcatc ttatcaaaaa 120

cgatggacct catcagcttg ccaagaaact atccgccgtt gatcttgttg ctattggagt 180

tgggacaaca attggagcag gagtgtatat tcttgtggga acggtagcta gagagcacac 240

aggacctgct cttgctgtat cattcttcat tgctggagta gctgctgctc tctctgcctg 300

ttgttatgct gagcttgctt ctcgttgtcc atctgctggg agtgcttatc attatgcgta 360

catttgtctt ggagaaggga ttgcttggtt ggtggttggg 400

<210> 12578
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-G7

<400> 12578

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gctttaatac tctttgattc ctctgttcgt ttgatganaa ttanatttta aatggcnaaa 180

gtttcgttta aggattctct gaaagctctt gaagctgata ttcaacacgc taacactgta 240

nctttagatt atcctcggga gaangatgga gcgcgtgttc aaatgaggct atcgtacact 300

ccanctgctc agtttttacn ttttcttgta caatggactg attgccatct tgctggtaca 360

ctcggtctgc tcagagttct gatttacatg acctatgcgg atgggaaaac cacaatgtcg 420

gtttatgaga ganaaacaag tattaaagat ttctatgccg tgatatttcc gtcgttgtta 480

caactaga 488

<210> 12579
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-B12

<400> 12579

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cacactgcac cagatgtatt gagagctcta ttatctcatt taaccaaggc cattaccgag 120

tatgtggttt accaagttga gcacggagct cactgcatac aaatattcga ttcctggggt 180

ggccaactga ctccggagat gtgggagcgc tggtccaaac catacattga agagatcata 240

catgctgtaa agaaaagatg tccagatacg ccgatagttt tctacatcaa tggaaatggt 300

gggccttcct tgagcgaatg aaaaggaact ggagctgatg tttantggga cttgactgga 360

ctgtagatat ggctgatgga aggangcgat tggg 394

<210> 12580
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-B3

<400> 12580

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tagttggaca cttgacaaat ctgagcaatt tccttttttgc ttacagcggg aatatctgaa 120

ccaacgcnat gccgtcgacg cagtccttga ccgtcgcanc gaanacgcta cgaaatcgga 180

tcttctctag gtctggatct acatccgccg gtccgagtcg gtgggcgacg ccaaggtcac 240

gaggagcgac ctaangggtt actttatgaa ccgtactcct ccggcaccaa ggacagtcgc 300

nnaaaatggg aagattggga gcttccttgt tacatcacca gcttccttac aattgttanc 360

ctcggcgttg gactcantgc caaacctgat cnttcaatcg agacttgggc tcatcagaaa 420

gctttaaagc gtcctgagat gggganaagct cccgaccgct gggaaaattc ntccnnaatt 480

aaancnng 488

<210> 12581
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-B4

<400> 12581

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aacaaagcaa agattttccc tactgggagt ancgatgaaa aagtttgtta gcacaaagaa 120

atgtcaaagc aagaaagaat ctaaaaagag atcgccaagc attatagcga agattgatgg 180

gtctcgatgt tttgccttct cagagttctt ctcataagca acaaaagtct atggagaatc 240

agcaaggcag gagtggtgga ggcacttctt ataaatctct tgggaaagcg ctcaaagggt 300

gagcagaagt ttaaagatgt tttcgaagtt ttggatgcaa agatggcaga gagtaacaga 360

aacttatatc atcaggggaa ggtgaatgct aatctaacac aagcgggaga tngcantcat 420

acgg 424

<210> 12582
<211> 348
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-064-Q1-E1-B5

<400> 12582

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gtaactggcc ttttgtgcat gggaataaag gagagcacat ttgctcaggg aattgtaact 180

gcagtcaatg tgtgtgtcct gttatttgtc atagtagctg gcagttatct cggcttcaag 240

acaggttggc ctggttatga acttccaaca gggttctttc cattcggagt agatggaatg 300

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<210> 12583
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-B6

<400> 12583

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cgtctccatg gcacccgtga gggggattct tggcttgcaa agggcagtgt ccatttggaa 180

ggaaagtaac agactgactc cagctttgag atcattcagc actcaagctg catccacttc 240

caccactcca cagcctcctc cacctcctcc gcctccggga aaagactcat ttcggtggtc 300

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aaaaggcgcg atgaaagaga ngtgattgg 389

<210> 12584
<211> 288
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-B7

<400> 12584

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gagagagaga tttaaggaag gaatcatggc agggggtgga gctccagcac ccaaagcaga 120

cgaaccacaa ccacatcctc ctaaaagatc aacttcccaa catttcntan tgcatcacca 180

gtcctcctcc ctgggcctgg aagctaatcc tccttnggat ttccaaanat ttaccttgtg 240

aatggcttgg gnanancgnn gctaatnacn tacngctctt gttcccaa 288

<210> 12585
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-B9

<400> 12585

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cttatcgagt aatgcagttc atatttacac ctttctttta cacaaaacca atcccactcc 180

ctttctcatc atccanacaa agtagccggt aaagcaaaaa agctcttana cacaaagaan 240

gcaagaattg tcccaaaaga naactctcat acatcacttt gctgtntctt tcttancttc 300

gggattcgtc cagactacnt gctccagaga attagngaag cttctataga acngtgaaat 360

cgagagtggt ccccttccga ctcgatactt gaaccatatg aaagacttgg cgctacttgg 420

aatacctcng gtcgctaaat tgagaattcc ccttcctcca agcctt 466

<210> 12586
<211> 103
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-064-Q1-E1-C1

<400> 12586

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tangacttca ngagtttcca attgcctgtg tttggnaggn ggg 103

<210> 12587
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-C10

<400> 12587

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tgttggaaaa gacttcaaca atgtaactta tatcaaggtt gaatacgaaa aggacggaaa 180

attcgaaatt cgtgaacacg ggactaatcg cgggcagcta aaagagtttt cagtggatta 240

tccgaatgaa tatatcacaa cccgttggtg ggaaagctac gaacacctgg ttttcnggtt 300

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ctcctccaaa tcccntggtc acaacgaaca attactangg gaatccaagc 410

<210> 12588
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-C11

<400> 12588

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gctctgtctc tgctcatctc tgtttcagga gcaaagttct ccggccggcc aggaatcaac 180

tatggccagc tcggaaacaa cctcccgtca ccgtccgact cagtcaacct catcaagtcc 240

ctaaacgcga aacgcgtcaa actctatgac gctaanccan aaatcctcgc cgcgttnaac 300

gggcaccgac attaccgtct nccgtcatgg ggcccaannc aagctccncg tcaaanatct 360

ccanaatcgg natcaacnct cggacgaact nggattccga ttcaaacaat nctccccgtt 420

ttacccancc agnga 435

<210> 12589
<211> 371
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12589

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ctgaaaacat agaaagctcc aatctttatg ggattgaaac tgacaatcaa nacgggcaga 180

acaagacatc tgatgtcact acaagcacca ggtcttgaaa ccgtggatca tcaanaggaa 240

gaanaagagc anngacncgg tgattcnatg gctggtggtg cgcctgcaga ngatggntat 300

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<210> 12590
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-C2

<400> 12590

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ttaatggcgt atcagagacc gaaactctct tgaaattcaa gaattctctt gttattggga 180

gagcaaatgc tttggagagc tggaataaga aggaatcctc catgcaaatg gactggtgtc 240

ttgtgtgata gaggctttgt ttgggggtta cgactagaga atcttgagct ctctggctct 300

atcgacatcg aggcgttgat gggtttgaat tctctaaggt ctcttagttt cataaacaac 360

aaatttaaag gtccatttcc agagttcaaa gaaaacttgt tgctttgaaa tcacnttact 420

<210> 12591
<211> 536
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-C4

<400> 12591

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ccgaattgaa aaccaaaggg ccgattaaaa aaagtttgca gttaattggg tgggcgggtc 120

ctgatggggt tcaagggcat cnctacgggc tcctacttcc taaagcaata ataaagagtt 180

gtgcctcaaa agaaaataaa actcaagaat tcccttaatg aaaggggaaa taaaaatcca 240

gtttgaaang caaattattg aaaaagcttg gtatctaagg gggaaactga cacaagataa 300

agcaggaaag gccctctctt tgttcaaggg gagtacttga ttacacagaa ttcaatgatg 360

tggacatggt cataagaggc agtgattgaa aacattcaat tgaaacaaaa catattcaaa 420

gaaatcgaaa aggtttgttc accccactgc attttggcga ataatacatc tactaatcga 480

cctcgaatgt taattggtga aaaagactaa ctcaaaagat cgcattgntt ggcccc 536

<210> 12592
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-C7

<400> 12592

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agatggtctt gtttaatata tatgatgatt ggttgaagag tatttcttct tatactgcct 120

tttcaagact tattttgatc cttcgtgcgc ttcacgtgaa taatgagaag gctaagatgt 180

tgttgaagcc tgacaagtcc gttgtcactg agccacatca catctggccc tctctcactg 240

atgatcaatg gatgaaggtg gaggtagcac ttanagatct tattctttct gactacgcaa 300

agaaaaacaa tgtgaatacc tcagctctga cacaatcang ngatccgaga tattaatctt 360

gggagctgag attactccac cctctcaana agagggaana aggt 404

<210> 12593
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-D1

<400> 12593

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aaaagatcac caccgtgaag tttgctagtt tcgggacacc tgaagggact tgtggtagtt 120

accgtcaagg aagctgtcac gcccatcact cctangacgc tttcaacaaa ctttgtgttg 180

ggcagaactg gtgttctgta actgtagcac cggagatgtt tggtggagat ccgtgtccaa 240

atgtgatgaa gaaactcncg gtggaagccg tttgtgctta aatgaaagca gacgcaacag 300

caatcaaaag actgtaaagg tggttactta cgcattctta caggtttcng atggtattaa 360

gtatgtttta ngaagacaac agaaagaagt tggtactttt ccaagctcct tattttatca 420

ccgggnggaa attgtnccan aggggacgcc agcaangccg ttcaacaaan ttgcnnaatt 480

ttggnttg 488

<210> 12594
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-B11

<400> 12594

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aaaatcaaaa cttgagtgaa tcataatcgt cgtctcgtcg ccggagaaaa tgatcggcgg 120

tggtagggtt tattggggga agaagttaga taaagagatg gaagatgcgg cggttgttga 180

cggtggtgga tctaacggtg ttgttgtgat ctttgtttgg agctcgatta acnagaacca 240

gcttatnaat ttcgttgatc tttattcttc tcntggntgg aattcctctt tgtttgccnc 300

cgcagaattt tcncaccggc ggtttaacnt gaaaatggnc ccttcnttan cattccaanc 360

ttccttcnga acttgttnga ggagttaaac nagtagacca ngtcccgtta aactttcnag 420

ctttctctgg tgcncccaaa agccttggta nggta 455

<210> 12595
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-H11

<400> 12595

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acagtgatgt tccacgtcga aaaaatgatg ccgatgatcg gtttcgtgtg ggaagaaatt 120

ttttgaagaa ggcaaagcat ggtgatggaa tcatcgtcgg tgttctcgac agtggtgtgt 180

ggccagaatc aaagagtttc aatgacaaag gaatgggacc aagttccaaa atcatggaaa 240

ggaatctgcc aaaccggagt tgcctttaac tcttctcact gtaaccggaa aattattgga 300

gcgaggtatt acgtgaaagg gtacgaaaag atattacnga gcgttcaacg ctacagcaaa 360

caaagacttc ttgtctccaa gagatnccga cggacatggg gtcccacaca gcttctactg 420

<210> 12596
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-H12

<400> 12596

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atatcactga attgattggt aacacaccaa tggtgtatct gaacaatgtt gttgatggtt 120

gcgtggctcg tatcgctgcg aagcttgaga tgatggagcc ttgttctagc gtcaaagaca 180

gaatcgcgta tagtatgatc aaagatgcag aagacaaagg attgattact cccggaaagg 240

ttaatatgaa catttaaagt tatcataaaa gtttctccat aatttataaa gaatacatag 300

atgngaattt aattgttttt gattanagag tacattggat agagccaact gctggtaaca 360

ccggggattg gtttancttg catggggang ctgcnanang ctataaantg gattcntgng 420

g 421

<210> 12597
<211> 309
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-H2

<400> 12597

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cactccgata tcaaattcaa tggagatcac agttttgaaa ttcatttgat ggtaataaag 180

attctataga agacagaaaa cattatgtaa acagttgttt ttttttttgtc aaacattttt 240

gttgtcagtt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaanaaaaaa aaaaaaangg 300

anaannnnc 309

<210> 12598
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-H4

<400> 12598

nncccggccg gtnnanatct aacgggncna ngcncncgtc cgatttcant ctctccgtgg 60

agcaccgctc atctttcccg gagctgtagt cagtgaggtg accggactaa atctccgcca 120

tggaatctcg aaacgacgag gaggcgccgt tgatctctgc ctctggtgag gatcggaaag 180

tcagagctgg aaagtgctac acaagggatg ttcatatcct cagcatctcc tttctgctaa 240

tcttcctcgc ttacggtgct gctcagaacc tcgaaactac cgtaaataag gatttgggaa 300

caatctctct ggggataatg tatgtgtccc tcangttttg ctccaatggg tgcntccttt 360

ggntgtcccg gntaatggga tttaagaaat gccccggntt taagaacnaa cggggtaaat 420

ggnnccccttg ttgccgcgaa tctnnancc 449

<210> 12599

<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-H5

<400> 12599

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tctgaaatat taggtgatac gaagccatga cagtttcaga agcttatagt ccacctctgt 120

tcagtatagc cccgatgatg ggatggacag acaatcatta cagaactcta gcgcgtctta 180

gaacaaaaca cgcatggctc tacactgaaa tgttagctgc tgaaaccatt gtctatcaag 240

aagataacct ggacagcttt ttggcattct ctccagacca acatcccatc gttcttcaaa 300

ttggtggaat gaaacttggg aaaatttggc taaagcaacc angacttgct aatgcttacg 360

cctatgatga aattaatttt aactgtggat gtcctaancc canaagtaag tggg 414

<210> 12600
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-H7

<400> 12600

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aactacgtgc gttttacgan aagagaatct ctcaagaagt cagtggagat gctttgggcg 120

aggagttcaa aggatacgtt ttcaagatca agggtggttg cgataagcaa ggtttcccaa 180

tgaagcaggg agttttgact ccaggccgtg ttcgcctttt gcttcaccga ggaactcctt 240

gcttcagagg acatggnagg agaactggng agaggagaan aaagtctgtt cgtggttgca 300

ttgtgagccc tgatctctct gttcngaacc ttgtcattgt gaagaanggt gngaacgatc 360

ttcctgnggc tacccgatac tgatangcca cgaatnaaag ganccaangn g 411

<210> 12601
<211> 65
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-H8

<400> 12601

aagctggcnc cttggtgttg aggacctcta acatcattgn cttcgacacg gtgcccgcag 60

attgc 65

<210> 12602
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-H9

<400> 12602

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cacttcctct gcctgatcta attcaatctc cttcctagct caaagaagtc aatttacacg 120

agcagatctc tgcactcaaa actcctggat cttcatttct gggcttcaat ttagagtttt 180

tttatattaa atgggttgga gatacaaagc tggtctgttc ttgattggca ctgttgttat 240

catatgggtc acctccgctg aagttactca ggatatcttt acaagcctat aagcaagcca 300

tttgcaagtc acatatcttg gagcttctct taatgattgt ttaccttccc gttgcattcc 360

tcaaaagact ggctttgtcg atatttagat tgacgctcct tccaaaatcc aaanaaaatt 420

ccg 423

<210> 12603
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-A1

<400> 12603

aagaaagcaa ataaaatcta gagaagcttg tttctagggt ttcgactctc gacggccggt 60

acgatttttc aactgcttgt tctaaggaat catgaagcct gtcttttgcg gaaactttga 120

gtatgatgct cgtgagagtg atcttgagcg gcttttcaga aagtacggca aggttgagag 180

ggttgatatg aaagctgggt ttgcttttgt ctatatggaa catgaaaggg atgctgaaga 240

tgcaattcga gcgcttgatc gntttgaata tggtcgcaca ngacgcanac tcccgtgttg 300

antggacaan agaatgancg tggangtgcc ggnnanatca ggtgggtccn aggagattat 360

cttctggctt tgagaacctt cccaannacc cngttngtgg attaancntt cganggcacn 420

aaaanactna gg 432

<210> 12604
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-A10

<400> 12604

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cgcacactaa natgtcaacg ggacaagcgc cggagaagtc caatttttct cagagatgta 120

gtctgctcag ccggtacttg aaggagaagg gaagttttgg gaatattaat atggggttgg 180

ctcgaaaatc cgatcttgaa ctcgccggaa aattcgatct caaaggacaa caaaatgtga 240

ttaagaaggt agagacctca gaaactanac cgttcaagtt gattcagaag ttttctattg 300

gtgaggcctc tacttctacc gaagacaaag ccatatatat tgatctcagt gaaccgggca 360

aaaagtagca ccgggagtct gggaaattca caagttgacc atattccttt ggagggnaaa 420

agttnanggg ctttcaaccn agtttccctg aanacaatng ctaacggaga ttactggaac 480

gtncctnaat naaagcc 497

<210> 12605
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-A12

<400> 12605

gggngnnaan tgttacgcct ccngtagnnc tccnaaattc ataggtcgac cgacccgtcc 60

gcatctctaa ggtaaaaaaa ctgagtcgag atttggtgac gtgatgaatc atttggtgat 120

aatctctgtg ttcttgagct cagtattgtt gttatataga ggagaatctg gaatcacaag 180

tagttttatt cgatctgaat ggcctgcggt tgatatacca cttgatcatc atgttttcaa 240

agtcccaaaa ggatataatg caccacaaca agtacacata actcaaggtg attatgatgg 300

taaagctgtt atcatctctt gggttacacc tgatgaacct ggttctagcc aagtacatta 360

cggtgcggtt catgggaaat atgantttgt tgcctcaagg gacttaccat aactacacgt 420

tttacaagta taagtctggc tttaatcatc actgccttgt ctctgaacct tgagcaang 479

<210> 12606
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-A2

<400> 12606

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ngcaaaacca tctatttgat gcacangaat ttgcctgctg tcagatgggt agggggtgtt 120

gaattagaac ttatcgcaat agccacaggc ggtagaattg ttccaagatt ccaggaagtt 180

gaccccagag aagttaggga aggctggcgt ggttcgtgag aaatcttttg gcacaacaaa 240

agaaccaatg ctgtatattg agcactgtgc gaactcaaaa gctgtcactg ttttcatccg 300

tggaggtaac aaaatgatga tanaaagaga cgaaacgtag tatccacgat gctctgtgtg 360

tggctaggaa tctcatccgc aaacaaatca attgtttaan ggangtgggg caanctgaaa 420

tcncccttgcc cacntt 436

<210> 12607
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-A6

<400> 12607

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gcttcatcag cttgtcttgt gggaaatggt ttgtcagtga acacaacaac caaacagagg 120

ttaagtaaac atttttccgg cagacagaca agcttttctt cagtgattag gacatctaag 180

gttaatgtag tgaaggcttc tttggatggg aagaagaanc aagaaggaag aagagatttt 240

ctcaaaatcn tgttaggaaa tgctggggtc ggtttggttg caagtgggaa agcaaatgct 300

gatgaacagg gtgtttcttc gtcgacgatg tcgtantcta nggtttctag agtattggnt 360

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aatgc 425

<210> 12608
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-A7

<400> 12608

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tagatgtgga aatcaaatct acggctgata agtttttcat gttctctaga agatcacaac 120

atgcctccaa agccactcgc tatgtacagg gatgtgatct gctcgaaggc gagtggggcg 180

aanttggaag catactcttg tggaaattaa ctgttgatgg agagccaaaa gtgtcaaagg 240

atatgattga ggcgattgat atgaagatga atatgatcca ntggagggtg ttaaagggac 300

ctctgaagga agagtacaat attttctcga aaacgatgaa agtaagccct aagcaaggaa 360

ggtcctggaa attgtggtta aantggnact tngaanttat ganganaant nattgaaaaa 420

ggnggcncca cc 432

<210> 12609
<211> 235
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-A8

<400> 12609

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ggtccttacc ctgtggacaa agttgttagg agatttccat ggnacagttt gcgtttatac 120

tcttcgatan acgtcaagaa aactgtcttt gctgctgctg acgccaatgg ggaagtgtgc 180

cgttcttctg gggaaccgat gctgaatggn accttgttgt tttcgngata anacc 235

<210> 12610
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-B10

<400> 12610

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cgggcattta cttgcccatc atcaagtctc tatcgctctc ggctggaagt aaaccgaatg 120

attcttcttc gaggaaacta ggctcttact tgattcaatc tcaattccag tgcgccggaa 180

actctagtgc gcttttcttg actgctgcag ctcaaaattt gctgtgtctc aagttagcan 240

aggagcttgg agtagtgatc tcaaacccgt gggtttcttg gtttaaggct gctantctac 300

ctgcaatcat atcacttctt tgtactccac ttatcctcna taangcttta tcctccagaa 360

acaaanggan acnacctgag ggctccaggt tanttgctgc aacnnaaact caagcaaaat 420

ggggcccctg tcaactaaaa aaccaaatgg attnatggtc gggtaaaatt gccntccttg 480

nctgtcactc ctttggggg 499

<210> 12611
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-H10

<400> 12611

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aataggaact aaatctcttt ctctggttca tcaatggcgg atcaaacgaa gaagagatac 120

gttacaagcg aggatttgaa aaaacacaac aaacctggag atttatggat ttcgattcaa 180

ggtaaagttt acgacgtttc cgattgggtt aaatctcatc ccggaggcga agcagcgatt 240

ctcaatctcg ccggccaaga cgtcaccgac gcgttcatcg cttaccatcc cggaaccgca 300

tggcaccact tagaaaagct tcacaatggc tatcacgtga gagaccacca cgttgtcaga 360

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aaaaa 425

<210> 12612
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-E10

<400> 12612

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tgatgaacca tggccgtgcg atcagagcgt gattgacggc tacgatcgtc ttaggacgca 180

tctggtgctg tagaggatcg ttactcggct cggttctacc ttgccggggt ggttgcacgg 240

cggtctgaca ggttccattt tttttcactc cttatattgt cttgtgggat gttttgagat 300

gaccaccaaa tttgatattc gagcacgatt tttaaaattt tacagtaatg tgggtatttc 360

gtcccaagtc aaccacttta tatgtacaac tctacattcc ctctacgaag ataagtgcat 420

cccaataatg agcagactat gagaagctag cagaagatan tcntcntttt ttggg 475

<210> 12613
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-E12

<400> 12613

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ctcttctctt tacaaaggaa gcttcttctc tgtttcgaca aagaccagga ggaacacttg 120

taaagccaaa tcatggaatc tcggtcttgt tatcaactct agaagctctg aggcttcggt 180

ttttgatccg ttggggatca atccagatga aacttctggt ttaagtagca tttgggaaag 240

ctttgtgagt cttttgtcac cancatttga aagctcttcn ggtaacaggc gagataagcc 300

gtcttctggt agaggcgtgg cantgctant gaggacagtt ccattgattt tggnganttc 360

ttcaaagggg ncatttgcca anggaagttt ctgaaagctt cctggggttt tttancntct 420

ctg 423

<210> 12614
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-E3

<400> 12614

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ttctcgttga ttttttttt cgatttaggt atttccatgt gagactaaca tttgtggctc 120

gtttactcgc agatcaaagg gacagagaac gtgtctgggc cacctactan gatggataac 180

agttctgatg aagagtcaga gatcagtgag tctgagatag atgtctatta tgaaaaacct 240

tacgagaaac tgatgaatgg ggattacaag gttaaggtga aggacacatt caggtgtccc 300

ttttgcgctg ggaagaagaa gcagcattac aagtataagg agctacttgc tcatgcgtct 360

ggtgttgcca aaggatctgc naatagaant gctaagcaaa aagcaaatc 409

<210> 12615
<211> 232
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-E7

<400> 12615

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ccctaaaaat ctgagtctcg cattaagtcc aaacactttc atttgtctcc tttcgtcaac 120

tccacaagaa gatctcctca tggctccaat tgctgtcggc gatgtcgtac cagacggaac 180

tatctccttn ctnnnagnga aaggttaaat ttnaaacggc tncnttnaat cc 232

<210> 12616
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-E8

<400> 12616

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aacccaaaat cacaaaaacc aaaaaaatat ataataatgg gtggctgtgc gagtagaccc 120

aaggaatcag acatgcaaaa cgaagaaggc tctgttccta acaagcctgt ctctgaaaac 180

gtagtagcca aggagaacaa cacagaaagc ggtgagaaac agaaccagac agtggctgag 240

accactgaaa caacttctgt cgaagctaag gagacatttc cggtcgagcc gaccaaggaa 300

acaactcctg ctgttcancc agaggttgca gccgtcgaag agtcttcttc tgctgatgct 360

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<210> 12617
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-F1

<400> 12617

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gttgtccagc tccgccgcat tcttctgtct cccagatcac cggctttaag caaatccggc 120

tgcttttcac tctaattcgt aaaccacttg tgggatttga gcatctttta cattctccaa 180

aatctctgct ttctagggtt ttgtgagttt tggtgggatg agtagtgtgt tcagtgatca 240

gatcctgatt gataagctcg ctaagctcaa tagcangtca acagtctatc gaaactctgt 300

cacattggtg tatattcaat cgggagcaaa gcagaattga tcgttacgac atgggagaaa 360

cagtttcaca ntacagagat ggatnagaaa agtccctcct ttggtatttt ggncnaa 417

<210> 12618
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-F3

<400> 12618

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cgcgtccgat caanatggga gtgatgagtt tgagcaagac gatggtggtg gtggtattac 120

aggtgatgat attgttggga caagagattg gtaaagtgtc gtcgactcta tacaaagttg 180

gggacttgga cgcttggggc atcccaattg atgctaaagt ctattccaaa tggcccaaat 240

ctcactcttt caagatcggt gactccctct tgttcttgta cccaccaagc gaagactcac 300

tgattcaagt gacgccctcc aatttcaaga gctgcaacac caaagaccca atcttgtaca 360

tgaacgacgg caactctctc ttcaacctca cccaaaacgg aaccctatac ttcacaagtg 420

caaaccccgg ccactgtacc aagtaccana agctcctaan tctccgttcg gaactantcc 480

gccgaaa 487

<210> 12619
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-F4

<400> 12619

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cgaacaatgg gcgtcctaat ggtcaaccaa tcgccctaac tttccccggg cgctaaaatc 120

tccgggcgtt cttctctgat tcgtccgcct tcttccgttc gatttcctct taagtgtaac 180

gcggcggatc cgtacaagtt cgacggcgga aactctgccg gtttccatct gcttactggc 240

gacaccgttc cggctagctt ttcgaggaca cgtttggaag attcgattta tcaagaacac 300

cacacgactt cgtatctttt ccggcactgc taatcctatt ttgggctcag gagatttctt 360

gctatttggg tctgggacct tgggaaaatc aagattaaac tctttgctga tgggtgag 418

<210> 12620
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-F7

<400> 12620

ttttattcaa agaaaatact taactttctt ttcactaaag ctattcgaaa atgtcaagca 60

actcccagaa cattagcttc caagctggcc aggccaaggg ccaaactcag gagaaggcta 120

gcaccatgat ggacaaggct agcaatgctg cccaatctgc caaggagtct ctcaaagaga 180

ccggccagca gattaaggag aaggcacaag gagctaccga atcagtgaag aacgccaccg 240

gcatgaacaa atgaatacaa taatcatatg attcattatg ttatttttt tacgaataaa 300

aacaataant catttttga aaccctaaag attaggttca acngtttgat tattcagact 360

ggttgtttct ttctttctta atantattac ttcntcccct gggattttgg ttct 414

<210> 12621
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-G10

<400> 12621

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gaatagagtg aaagttagat actgtgacgg ggcatcattc acaggagatg tagaagcagt 120

gaaccctgct actaatcttc acttcagagg tgctcgagtt tggttagccg ttatgcaaga 180

gctgctagct aaaggcatga taaacgccga gaatgctgtt ttgtctggct gttctgctgg 240

cgggttagct tcgctgatgc attgtgatag tttccgtgct ctattaccga tgggaaccaa 300

agtaaaatgt ctttcagatg ctggtttttt tctcaacaca agagacgtct caggaagttc 360

antacattaa ngacatactt cgaaagatgt tgttactctt catgggatca acaaagaa 418

<210> 12622
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-G11

<400> 12622

gcgatttcta ccatctctaa atctcaaccg tccgatcaaa caacttacac aacttccgtg 60

ctggagaaat aaaaaaatta ggtatttaat aattcatcat tgccattgga ttgtgtgtgg 120

ctgcgtcagt aaaacgtatt cttaaaagca accattggtg tgattgactc tatangagaa 180

ttcgtcagcg tgaagcaatc tccaatctaa tcgcagcata gcttctccga ntcctantcg 240

tctctgcaat tgaatcttcc ggtaggcgaa natggcgacg tntgcgagga tttgttgcgg 300

gacgaggaaa tgcatgcgcc gttcgttgtg atcctcncac gtnaaanttg aantcgncga 360

tcgtnatgtg ttgttccagt tgaccaaatc nacggaatat gtgtgngat 409

<210> 12623
<211> 85
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-G2

<400> 12623

gnaatttaca gttcatgcaa gtcgatattt tgcnactacg caagcatnag atctgatagg 60

agacatgttc acatcatccg gtgtc 85

<210> 12624
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-G3

<400> 12624

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acgcgtccgn tcacacaaaa atggcgtctc ttcttgggaa catcttcttc tgcaatctgg 120

ggcttctcct tcactctctt ctccttcctc aaaaccttcc tcctccccca tttgcttcag 180

gccaggaaaa ttgtttggaa gcaagttaaa tgcaggaatc caaataaggc caaagaagaa 240

caggtctcgt taccatgttt cggttatgaa tgtagccact gaaatcaact ctactgaaca 300

agtagtaggg aagtttgatt caaagaagag tgcgagaccg gtttatccat ttgcagctat 360

agtagggcaa gatgagatga agttatgtct tttgttgaat gttattgatc caaagattgg 420

tggtgttatg attatgggag atagaggaac tgggaaaatc tacaactgtt aagatnatta 480

attgatctgt 490

<210> 12625
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-G4

<400> 12625

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ggangaaacc aagancccca agtcacaact aagagatact gctgaagctg ttcaagcagc 120

angagagtta cttgttcgat ttaaagaagc tgaagaagga ttgacatttg cacanaaacg 180

agcaatggat gcagagtatg aagcatcaga agcatataaa aaggtggaca agttgaagag 240

gaaatacgaa accgaaatca gcactgtaaa ccaacaacat aatgcagagc cacaaaatcc 300

catagaatct ttgcaagctt cttgtaatga cgatgctatg gccaaatatg atgaaccatc 360

agctagtgat ggtgataacc aatggagaga agaattccaa ccattttaca agaaa 415

<210> 12626
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-G6

<400> 12626

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atctcagatc ccgatcccgt ctccttatct tccgccggcg acttcttcat ttttctcttc 120

tacctaccac ctcttaatca ttctctctcc ccccgcagat ctagcgaatc gaattcgaat 180

ccttaagtag tagtggaatc atggngctaa gcatgcgaaa agcgatcgga gttgttaagg 240

atcagactaa gtatcggcat agcgaaggta gctagcaaca tggctcccag atctgggaag 300

ttgcgatcgt gaaagctaca angccaacga cgaagattaa ntctantgac aagttatatc 360

cggcgaagat tccntaagct aaacttnact ctccggtggc tacgtttnac gccngtgg 418

<210> 12627

<211> 273
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-E1

<400> 12627

angcaaacna tctcgaaagc ttcntctgcn ancnccnttt ttcnatgttc taagaagcta 60

tcaaaccagc catgtgtgan acagcttaac anaagaaaga gtcttgtgtg cagagtgatg 120

aagctggtct cttcacctct taggacttgt gccatggtgc tggtaaatct atccgagttt 180

caaagttctn gcaagtgtcc tccaatgtct cctcantgca aattgaactg ggttgccttt 240

gccttaagga taactatgct tatatccttg cnt 273

<210> 12628
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-H1

<400> 12628

ggacgaggaa gacaagagat ccatacatca ttgtcaaagc tagggatttg attaagcttc 60

tttccagaag tgtccctgct cctcaggcaa ttaagattct cgaagatgag gtgcaatgtg 120

atatcatcaa gatcggtaac ttggttacaa ataaggaaag atttgttaaa agaaggcagc 180

ggcttgtggg tcctaattct tctaccttga aggcgctgga aatattaacc aactgttaca 240

ttctagttca gggaagtact gtagccgcta tgggtccatt taaaggtctc aaanagctca 300

naaggattgt ggaagactgc gtacagaata taatgcatcc tgtataccan ataaagactc 360

tcatgatgaa aaaagaactg gngaaaggat ncaactcctg gaaatgag 408

<210> 12629
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-B2

<400> 12629

gcaatcagaa aggctgtcgg ggagaagata attccttcaa cggataatcg aaagcagtat 60

cacagtaaag ctcagcgagt aagattgtct ttgctctttt tgagaaaatc tcatgttgtt 120

actatgatat aacgttgcag aagcatgaag acatacatca gttttttcct tttttcttga 180

gcgaaactag gaaggacaaa atacatttaa atgatcttat aaggcacttt actccattta 240

taccttttg tactctcgtt tccctttcag ttttgaatat aatgactttg atgttttttt 300

gctgtgcata acaggaaata tttgaaaaca acaggaaaga cataactgtg gccatgatga 360

anaattatcc acagcttcta cgttaaattc atggctgaca aagcaaaagt gtcatccttt 420

ggtcg 425

<210> 12630
<211> 322
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-B6

<400> 12630

gaacccatgt ttcgtttcgt tttggaaaga taagagagat aaaggtttcg acttttttag 60

gtttttctgt gtgttttgtg attcatttcg ctgattgata tcaattctct ctgtttgttg 120

tcccttctct tcaatttcac ctgacttttg tttttgtttt ggataaagtt ttcacctttg 180

tgtcttctct ctgctctctt gtgtgatcta tctgaaaaag ggctgatttt tttttggtgg 240

gttncnaaat nagggttngt gtaagttnat ngccttncnn atccaatgaa antnaanant 300

natanaggat cgttaaantg at 322

<210> 12631
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-B7

<400> 12631

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cacggtcgct caaccgcacc gtgggcgtct tcgtcttctt catcctcgac attgttgatt 120

tcctgctttg ctttacctac aagactcttg atttcttctt cgagtccgag tggaaaccct 180

gctactgctg tccgccgccc gaggccaaac caatctcggc tggagggaac agaggcggta 240

agatgatagt gtcggaaaga tcaggagact actcgaaggt ggtctcactc acaaggacaa 300

agatctatct ggatgagatc tccgacacac tctactctcg cccttcactc ctcaccaagc 360

tcactaagct ggtgaagttg cttcaaagaa agatgttgtt aaatngctgt tga 413

<210> 12632
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-B9

<400> 12632

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gttaatgctt caagatctcg aagagttctg ttggcgtatg ttcatcatcc tttagctgct 120

aataagggtt catctattga agagttaaag caaggtcttt gttgtacaaa gactgtcact 180

tttgttagtt ctcggagatg ttctacattg tgctttgttg gaaagtctca agacactgaa 240

actaattccc aagttgtaca aaaagaaggt gagaagcaag tgatgccgag gaggaaaagt 300

agtaactcaa gccaactttt ggtggaatat gtgtctaatg atgctaagtt tgtgaatgaa 360

aagagctcgt aatgactttg ttcctctanc tcgtggnaat tatgagacnt gaagccncgt 420

gcaccacaaa ggatgttncc 440

<210> 12633
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-C10

<400> 12633

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gcttcttgcg aaaccaattc tctatgtcag gtaatcaaga accaatcttg gtgaaagaag 120

agagtgtggt tggtatacca acaccactct tgaagcttaa aagttggcaa tggtgggttc 180

ttgtatccgt taacatcttt ttccttattg gtggtcaagc tgcttcggtt cttcttggta 240

ggttttacta tgatgaaggt ggaaacagta aatggatggc aactcttgtt caaacggctg 300

cttttcctat actctatatc ccgcttttgc tacttccgtc ttcgggctaa ntgtanagtc 360

ctcgggagag ttcgtgttca ctcaaagtac attggtttga tcnaagtttt tgcnccgggg 420

tggatcaatg ccgggnaana anatg 445

<210> 12634
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-C12

<400> 12634

ggagcatgta ttcgactttg taacatctca caaagacagg aatgctatat ctcttgtatg 60

caaatcatgg tacaagattg aaagatacag taggcaaaag gttttcattg gaaactgtta 120

tgccattaat ccagagaggt tgcttcggag attcccatgt ctaaagtctt tgactttgaa 180

aggaaaacct cattttgcgg atttcaattt ggttcctcat gaatggggag gttttgtgct 240

accttggatt gaggctttgg ctagaagccg tgtaggactt gaagagctta ggttgaagag 300

gatggttgtt actgatgaga gtcttgagct gctttctcgt tcttttgtca attttaagtc 360

tttggtcctt gttaactgtg aanggtttac cactgatggg ccntgcctcc taatgccgct 420

aaatgcaagn aacctccggg attt 444

<210> 12635
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-C2

<400> 12635

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agctcctgaa gaagaagaag atgatggtag tgaacagctt tgatctatgg caaaaagatg 120

ttttcttctc tgcagctgaa gaggttcaaa aatctacaga tataatggag tctgcttata 180

gattgtggat tagagagaag aaagatgaga tttgtaagga acttcaagca gctttaggta 240

cagctaaatg gcagttggag gagtttgaga aggcagtgag attgagtcat aaacggtgtg 300

gggataatga ttcttcatcc acacggcata aacagtttgt taccgctatt gaaaaccaaa 360

ttcatccgcg tagaaacttc tccgcaaana a 391

<210> 12636
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-C6

<400> 12636

agaggtatgc ttatactttc cagaactatg tgtttgtcac tcggctgatg caggagaaag 60

agtctgcttc tggggttaaa cctctcaggt tgatggaaag gagtgtcttc agtgaccgaa 120

tggtgtttgt gcgtgcggtt catgaagcga aatggatgaa tgagatggag atcagcattt 180

acgactcttg gtttgatccg gttgtctctt ctttacctgg acttgttcct gatgggttta 240

tatacttaag ggcgagtcca gacacttgcc acaagcgaat gatgctcagg aaacgagcag 300

aagaaggcgg agtctctctg aaatacctcc aagatttgca cgaagaagca cgagagctgg 360

ctgcttccct ttgagagcgg aaaccatggt gtattgtcng ttantaag 408

<210> 12637
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-D10

<400> 12637

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ctctaaataa cactgacttc agaggtaaaa ggataaaatg ttcgactacc caagcaaagc 120

atcgtctctt tcttggtaat gtccctagaa attggatgga gtcagacatt aagaaagcag 180

caaatagaat tggtccaggc gttcaaattg tcgaactccc aaaggaacca caaaatatgg 240

gccggaatcg tggatttgct ttcatcgagt attacaacca tgcatgtgct gaatactcga 300

aacaaaaaat gtcaaatccg agttttaagc ttgatgataa tgccccaact gtaagctggg 360

ctgaatcaag gagttganga agaggagaat cctccggctt ccaaggtcaa ngnantgttc 420

aac 423

<210> 12638
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-D11

<400> 12638

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gcgtggctaa ctgaccattt aactaataga ttttcctctt tggcttcacc agatgatcta 120

ttaaatttct ttaatgacat gcgaggaata cttgggagcc ttgattcagg agtcgtgcaa 180

gatgatcaga ttattttgga tcccaacagc aacttgggaa tgtttgttcg tcgttgcatt 240

ttggcattca acctttttatc gttcgaggga gtttgtcatc ttttttcaag tattgaagat 300

tactgcaaag aagcccattc aagctttgct cagtttggtg cacctaataa taatccggag 360

gtcattaata caatatgatc agatggatat ggnggaatta tgcaatgggt aaaccaactg 420

aaagaaatan agtttcang 439

<210> 12639
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-D12

<400> 12639

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agttttattc gatctgaatg gcctgcggtt gatataccac ttgatcatca tgttttcaaa 180

gtcccaaaag gatataatgc accacaacaa gtacacataa ctcaaggtga ttatgatggt 240

aaagctgtta tcatctcttg ggttacacct gatgaacctg gttctagcca agtacattac 300

ggtgcggttc angggaaata tgagtttgtt gctcaaggga cttaccataa ctacacgttt 360

tacaagtata agtctggctt tattcatcac tgccttgtcc cgaccntgag catggtacaa 420

aatactaatn ccaggnttg 439

<210> 12640
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-D2

<400> 12640

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acgcgttctt cttgagcatc tccgaccttc ttcttcttct tcgcacaatt acgaggcttc 120

tctatctgct tctgcttgct tggctgggga cagtgctgca tatcanagga actctctcta 180

aggagatgaa gttgtcattg tcccngnaca tangactcca atatgcaaag tccaaacgtg 240

gnaatttcaa ggntacatat cccgaatgat ttgctcgcaa ccggtttgaa ggcaattgat 300

nnanaaagac gaatncaaaa nccaagtgaa ntaagngaca ntggtgnggg taacgttttg 360

gnnacctggg antccaanaa nnccanttaa at 392

<210> 12641
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-D4

<400> 12641

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tccgcctcaa tcccgatctc atcgcctgca ccttcactgg aactgtagcc atcgatctcg 120

acatagtcgc cgatactcgt ttcatcgttc tcaacgcagc tgatctctcc gtcaacgatg 180

cctccgtttc cttcactcct ccttcctcct ctaaggcgct tgcagctcca aaagttgtct 240

tgtttgagga ggatgagatt ctcgtgcttg agtttggtga gattcttccc catggagtgg 300

gagttctgaa acttggtttc aatggagtac taaatgacaa aatgaaggga ttctacagaa 360

gtacttaatg aacataacgg tgaagaaaga aagaataatg ggcagttacc aantttgnaa 420

c 421

<210> 12642
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-D7

<400> 12642

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tcaccatgtc tccgccacaa cccaaccttc aatcgcgctc gctcttttcc aatcccgctt 120

cttttccact ccatctgacc tagattctga gctaactcga ttcagagacg attcaatcgc 180

tggcgttgga agcaatgatc atggcttaga gttcgacgat tcaatcgcta gcttgggaag 240

caatggtcat ggcttagagt tcggcgattc aatcggtagc ttgggaagca atggttatgg 300

attagagttc ggtgacttga gccaggattt gtcaaactat gattacttga ctcaacctgt 360

gatctcgttg cttgattcat accatgacat cactggattg ccttggtggg tnggttaa 418

<210> 12643
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-D9

<400> 12643

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tttttctagg gtttgtttct aaattgcatc gatggctttt tatgttcatg cgatttactt 180

ttccctctgt tattctagat tgttgttcga tgatttgatc gttcagggat ggatttgatg 240

gatcttatgt tttcacgggg cttctctatg ctgctacgtc ttcagggggt gttcttcttc 300

cttacgcgtc tctgantttt gttttctncn ctacgtttct taatcgtctc gtctcgcagt 360

ttttttggaa gctaattatg atccgatnat cgctttcgaa tcngttggtt ggtagantgt 420

ggaagaagnc aana 434

<210> 12644
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-B12

<400> 12644

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gagtacttga acgcaaggcc gaaatatcct acaatatggt acaaagtgtt ggctggtcga 120

accagcaacc ataaggtggc ttgggatgtt gggaccggca acggtcaggc tgctattggg 180

gtcgctgagt actaccagaa agtggtggca actgatataa atgaatcaca actccaacgt 240

gcaatgaagc acccaaaagt cacttactat cacactccat catcaatgtc cgacgacgat 300

ctantgactc tactcggtgg ngaaaactcc atagatatca taatagccgc tcaagctctt 360

cactacttcg acctaaagag attctacccc atantgaaac ntgttcttcg nnaacaangg 420

ngtatcaccn tantttggg 439

<210> 12645
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-061-Q1-E1-H2

<400> 12645

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ccagctcttg ttttacaaca ctacccctag cgcctacatc ttagctctcc gagtcggact 180

caggcgtgac gagtctacca tgcgttggat atgggacgcg aatcgcaaca accccgtcgg 240

agaaaacgct acactctcac tcggccgtaa cggcaacctc gtcctcgctg aagctgacgg 300

acgagtcaaa tggcagacta acacagctaa caaaggcgtc accggattcc aaatcttacc 360

caacggaaac atcgtcctac acgacaaaaa cggcaaattc gtatggcaag agtttcgatc 420

accccaccgg 430

<210> 12646
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-061-Q1-E1-H4

<400> 12646

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tctcgaacct tcctcttcgt ttgcatcagg aaagagcgag aatggcggga ggaggaaact 120

ttattgcgag agtgatctca tacgttgcga acgagttcat agttaatggt ttggcaaaca 180

gccatgcttt ccagagattt gctgtgagga cttcaaagag aatagaaaac ctctctaaaa 240

tggctgcaga gaacagggag aaagtcgctc agcaaatgga agaatttgcc aagaacattg 300

actccacgaa gaaaccctga tcattcctag tgtggaatcc taaaacctca gtaaatcaca 360

tgggtcagct caagtaggga agtccgttta tctttgtata aagaatgtta aaaagtaata 420

agcttgtgga 430

<210> 12647
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-H6

<400> 12647

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gctcaagcct attctccttt ctctgaccct aaatctggaa ttggaagcag caacagtttt 120

aacaaaagcc gcaacaacca aacgcagcag caacccttct ctcggttggt aggatcgaca 180

acaacaggaa gacagattaa tgggtactga gtcatcgttc gtttgttctc tcgaattggt 240

tttagtcccg attaattgga tcttaataac acatcttatg tggtttggga tcgttattgg 300

agatttgaat gtgatatgtt cccttanaaa annanangnn nannnnnnnn aaaaaaaaag 360

ggnggccgct ctanaggatc aagctt 386

<210> 12648
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-A1

<400> 12648

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tagctgaaga tttgggagtt attactaaag atgtagttga gctgaggaaa tctatcggag 180

cacctggaat ggccgtcctc caatttgctt ttggaggagg cgccgataac ccacatttac 240

ctcacaatca tgaagtaaac caagttgtat actctggaac tcatgacaac gacactattc 300

gaggctggtg ggacactctg gaccaagaag aaaagtctaa ggcaatgaaa tacctgtcga 360

tagctggaga agacgatata tcatggtcag tcatccaagc tgcattctcc tcaaacgctc 420

aaaacgca 428

<210> 12649
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-A11

<400> 12649

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gaggaattcg tggcagatgt cgtcctattt gctactggca gaagtcctaa taccaaaaga 120

ttgaatttag aagctgttgg tgttgaactt gatcaggctg gagctgtgaa ggttgacgag 180

tattcacgaa ctaatatacc tagcatatgg gctgtangag atgccacaaa ccgaattaac 240

cttacacctg ttgcgttaat ggaggccacc tgttttgcga acactgcttt tggtggaaag 300

cctactaaag cagaatacan gcaatgtcgc ctgtgctgta ttttgcatac caccactagc 360

tgtagtgggt ctcaacnaaa gaagaanccg ttggnacaag caaaccgggn ganaaatcnn 420

ggncctcccc ccc 433

<210> 12650
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-A12

<400> 12650

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tctagtgttc caaaatttga gtagatcttg aacaactttg caaatcttgt tgatcgatat 120

gtttgggaat tgaaaattta ctagattttg aatttctgag gttttgtgta agcagttgaa 180

tgaagcagta ggtggttgag tcatgtttgg tctgtgatgt cctgtcacac gcatcacatg 240

aaccttggct ttggatttaa cggccgttgt tagtattagg ctaattatta acatggcttt 300

tgttcattgt agttaatttt cacagagtaa agagattttg atacattgga cccaaagtgc 360

aattttcaaa aatgttccct ggaaaaantc ctcccaaaac cgaacaagag canaaaagan 420

ggcancccca 430

<210> 12651
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-A2

<400> 12651

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atatctgaag cttaaagggc agtgacaatg gctggctcgg ttaacgggaa tcatagtgct 180

gtaggacctg gtataaatta tgagacggtg tctcaagtgg atgagttctg taaagcactt 240

agagggaaaa ggccgatcca taagtatttt gatagctaac aatggaatgg cggctgtgaa 300

gtttatacgt agtgtcaaga acatgggctt atgaaacatt tgggtacgga aaaagccata 360

ttgttggtgg ggatggcaac ccctgaaaga catgcggatt aatgcggagc atatcaanaa 420

tc 422

<210> 12652
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-062-Q1-E1-A3

<400> 12652

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cttcttctcc atttcgaaaa gaagatgaag gtgatagata agatccagtc attagccgac 120

gaaggcaaaa cagcgttttc cttcgaattc ttcccaccaa agacagaaga tggagtcgac 180

aatctctttg agagaatgga tcgaatggtt gcttatggtc caacgttttg cgatatcact 240

tggggagctg gtggatctac cgcagatcta acgcttgata tagcttcgag gatgcaaaac 300

gttgtttgtg ttgagagtat gatgcatctt acgtgtacta acatgcctgt tgagaagatt 360

gatcatgctc ttgagactat tagatctaat gggattcaaa atgtgctt 408

<210> 12653
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-A5

<400> 12653

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agttcgatga gctttatcgg tcaagctggg ctatggatca ttgtgtcaac gaaggcgaag 180

tcacaaaact caagcttgac aattactctg gagctgggtt tgaatcaaga agcaaatact 240

tgtttggtaa agtctctatc cagattaagc ttgttgaggg tgattcagca ggaacagtca 300

ctgctttcta catgtcttca gatggtccga accacaacga attcgatttt gagttcttag 360

ggaacactac cggcgagcct tacatagtcc agaccaatat ctacgtgaac gggng 415

<210> 12654
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-062-Q1-E1-A6

<400> 12654

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ctgattctca acctaggaag caagctgtga agaaggatag ttttcagttg tttgctgaga 180

aagttagaga ccacaaggga ttagaatcca gatgggctgt tatggagcaa gcacgagttg 240

aatactttag agggaaagat tttgtgagct ttatgaagaa taaccctgac tttaaagata 300

ttctggaaga agataaagac cttgacacag acgatattgc caatgttttg ttgggaaaga 360

acctttttggt ccgctgtgat cgtgttacta aaactcttcg tcccgggaag aaaaagct 418

<210> 12655
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-A7

<400> 12655

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cagttcttag atgaggagaa gttcaaggaa tctgttcaca agctagagca agaatctggc 120

ttcttcttta acattaagta ctttgaagag aaagctcttg ctggagagtg ggatgaagtg 180

gagaagtatc tttctggttt cactaaagtc gatgataatc gttactctat gaaaatcttc 240

tttgagatta ggaagcaaaa gtatctcgaa gctctagatc gaaatgacag agcaaaagct 300

gttgagatat tagccaaaga cttgaaagtt ttcgctacat ttaacgagga gctttacaag 360

gagattactc agctgcntac tctggagaat tttagggaaa atg 403

<210> 12656
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-062-Q1-E1-A8

<400> 12656

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gccgccgggg ttgtatgatg agatgcagtt tttctccgca ggacattcct gttgattccc 180

tctctcatct ccctcctttc cttgactttc agaactccct cgccacattt tcggataccc 240

agaaatgggg gttctttgtc tccgccggaa tcgtctggtt ttacctcacg gcgaggcctg 300

gtgttctcat cggcgccatt gacgcctacc ttctcgctcc cctccagctt ggcctcgaca 360

ctctgattgg aaggaggttg aaagaagtcc gatttctcgg aaagcttttg ttcgccg 417

<210> 12657
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-A9

<400> 12657

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cagagctaat atcaatacca agccacacca cgagtttcaa caccggagat tctaactccc 120

tccggtcaaa gatcacctcg tccggncacc aaaccatcgt cggggacatg gactccgact 180

tcgttcanat caacgaggnt cttgagtccg attggnacac caatgaaacg agttcttgtg 240

aacatgaaag ggtatcntga agaagttggg catctcacta aagctaaacc cacaagatgc 300

ttggnttcca atcactgaat cncgtaatgg ganacgctca antacgctgc ntttcacaat 360

ctcaaagctg gtgttgggtt tcaagcccct ggtcctcccg tcccggtttg ngtttccttg 420

gctnggagtt tggggnaaa 439

<210> 12658
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-B1

<400> 12658

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cgatggattt ggttcgattc cggccacggg acggaccagt acggtgtcgt tttctgagga 120

tccgacgacg aagattcgga agccgtacac aatcaagaag tcgagagaga attggacaga 180

tcaagagcac gataaatttc tagaagctct tcacttattc gatagggatt ggaagaaaat 240

agaagccttt gttggatcaa aaacagtagt tcagatacga agccacgctc agaaatactt 300

tctcaaagtt cagaagagtg gtgctaacga acatcttcca cctcctcgac ctaagaggaa 360

agcgagtcat ccttatccta taaaggctcc taaaaatgtt gcctanacct ctcccccgtc 420

t 421

<210> 12659
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-B10

<400> 12659

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cggcgaaagc aaagctaagg cttcaaggct caccaaagtc tgcggagcaa gatggaactg 120

agaaagccac tgttcccaga cgtcactctc taccatctcc aggtaatggt aggatcactt 180

ctcactctcc aagaacaacg agactcgcaa actcaggtga caaaaccggg aataagaagg 240

agaaacctct tctgtcgtcc cgagaaggaa acgccaagac aactccagca gagcggaaga 300

ggtgattggt tccagcggaa agtgaangcc tttatcgttc ttgattctat agcagcgaca 360

ataccaaaca tgaaagaatg caaccatcct tatccaattt aaaagctaga gaatattaan 420

tccgtggatn t 431

<210> 12660
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-H12

<400> 12660

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ccggaggctg cgaggccctg ggctagtgcg gcgaatgcag aagttatcga tgcgcttcct 120

tatatagacg acgactatgg caatccattg attaagtcgg aggtagaccg tttggtggag 180

gaagagatgc gtcggagctc taagaagcca gctgactttc taaaggactt gcctcctctt 240

ccgaagttcg attttaagaa ctgccctgtt cttggcaaag agtatgagcg tgttagagct 300

gggaagcctc ctgtgcggat agatttcgaa tcccgataca aacttgaaat gccacctgcc 360

aataagagga atgatgatgc tgcccnggga agcaattatc tcaagaagga atcaacgggc 420

attggcaaca ggaaaccgga t 441

<210> 12661
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-E5

<400> 12661

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aaccatgcat tcacttccgg tgaatctcgt cctcaccgta cttacggtgt tcctaacatc 120

accggcgcaa gttatcggat accgtccata tccaccaaaa accaacggct ccgatcaaat 180

cttcgacgct tcaaaaaaat tcgaaggctc atcgaatctc gtccgcctcc gttaccacat 240

gggtccagtc ttaaccaaca acatcaccgt tcacccaatc tggtacggca cgtggcaaaa 300

atcccagaag aaaatcatcc gtgagttcat taactcaatc tcagccgttg gatctaaaca 360

cccttcagtc tccggttggt ggaaaaccgt acagctttac actgaccaaa ctggatnt 418

<210> 12662
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-061-Q1-E1-E7

<400> 12662

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agccgcgacg ctatctcaaa acgctagcgt tttggttctt gaacgcggtg gtgctcccta 240

cgacaatcct acggcaacag atatcgaaaa ctttgccacc acactctcaa acacatcacc 300

gaaatcttgg tcgcaacttt ttatctccga ggacggcgtt tacaacactc gtgcacgcgt 360

cctcggtggt ggctccgtgt taaacgccgg gttctacaca cgtgcgggag ata 413

<210> 12663
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-F1

<400> 12663

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tcaagaaaaa tctctctcta tattatctac gtttctctcg ccttgtctcc ttttgaggtt 180

ccatttctac ttctctccaa aattcgaaac ttttcccact ctctctctct ctctactagt 240

ttgacatgaa cagcgacggt gtttggcttg acggctccgg tgaatctccg gaagttaata 300

acggtgaagc tgcgtcttgg gtcagaaacc cagatgaaga ctgggttcaa taacccacca 360

ccaccacaac acactaatca aaacgacttc agattcaatn gggnggcttt cc 412

<210> 12664
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-F11

<400> 12664

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ccagtgtttg actcggctag cctccgtcaa acggaacgcc gtcgtcacag tctacggaaa 180

ccggaagcgc accggcaggg agttcgttga cggcgtactg agccttgccg ccggactgat 240

tcgtctcggc ctccgaaacg gtgatgtcgt ctctattgct gcttttaaca gtgatttgtt 300

cttggagtgg ttattaagct gttgcattgg ttggaggagt agttgctcct ttgaattaca 360

gatgggagcn ttganagaan caaaaatggc aatgccgcta gtangaaacc ggngctttgg 420

gtaactgaat aaaaaant 438

<210> 12665
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-F12

<400> 12665

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attctggacc aggacaagag cagaatcaga cattcccaca ggcagatcag aggaatcgag 180

actggaacaa caataatcca gcaggccagc ccgggtctga ccaatttcca cagggaagaa 240

ggtactagac agagagcatg ctgcagtgaa ttgagctgaa taaggagaga agtgtcaaag 300

gccttttatt aagttttaca gtaaatagta tttagtcatc tttctacttt gtaagacaat 360

agttaagtcc ttttttctct taagttgagc ntgttaacgt tgttggttgc ccctgtgaaa 420

nttgaaacac tccttccna 439

<210> 12666
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-F7

<400> 12666

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tatagaatgg actttgatga gtatgagtac ttagagaaga cagttgaaaa tcctcacctg 180

gagaatgaag ttggtaatgg tggtggtgat gagaaagtca aatctgaagg gaaagagagg 240

agtaggagct caaggcatag gggtgacaag aagaaggaga gggatgaaga tgaggatggt 300

cggcgttcta agcggtcgag atcgcatcac cgttcacgtt ctagggacag agaganggat 360

angcatagaa gtagcaaggg aacacagaga tagagat 397

<210> 12667
<211> 172
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-061-Q1-E1-F8

<400> 12667

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gattgaaaca aatagacatg atacataatc aagattttgt tgttacttgt gtgaattaaa 120

agtaaagaaa acaaatctgt atttttgcta aaaaaaaaaa aaaaaagggc gg 172

<210> 12668
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-F9

<400> 12668

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ctcatcccac ctacttgttc cccacaaaac actctctccc tctttgttct ttcatcttct 120

ctaagctctt tctctgaacc tacgcttctg ctaagctatt ctaagagaag ccagactagc 180

aataaaccct tcattttaag cattctgttt ccttcttgag aaacctagat attttggttt 240

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ttgttgcgcc gacgaagctg ctctctgtcn tcaatgcgac atcgaagatt cacgccgcta 360

acaaactcgn tagcaaggca ccaacgtcnt catcngtaat tccctctcca gcaaanttcc 420

ctcngtgggg naaatctggg 440

<210> 12669
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-061-Q1-E1-G10

<400> 12669

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ccacatagac agcccttgct ccccccttcaa atcatcatcc ccactctcat gggaagcgcg 180

tgtgctccag acgctggctc aagaccaggc ccgtctccag tacctgagca gcctcgtcgc 240

cgggagatct gtagtcccca ttgcctcagg gcgtcaaatg ttgcaaagca ctacatacat 300

tgtcaaggct ttgatcggta ctccggctca gccgctgctc ctagccatgg acacgagcag 360

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cctggctaaa tctaa 435

<210> 12670
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-G11

<400> 12670

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attaataaaa aaaaataaaa agaagcagaa aagagataat gcagggtggt aggcttttga 120

cggtgttggt gtgcctcgcc tccacggtgg cgttggtgag cgccggtgac ccttacttct 180

actacacgtg gaacgtaacc tacggaaccg ccgcgcctct cggaattcct caacaggtga 240

ttctcatcaa cggacagttc cctgggtcct aacctaaact caacctccaa caacaatgtc 300

gtcatcaatg tcttcaacaa cctcgacgag cctttcctct tgacctggag tggactccag 360

cacaggaaga actcatggca agatggtgtg actgggacct catgcccaat cccaacaagc 420

aacaacttna cttac 435

<210> 12671
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-G12

<400> 12671

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tggnccatca agtgtgatca ttattgttgg gataatcttg gcgttgactt atcagtcaat 120

cttgaaacct cctccaccga atctatgtgg ctcccccggt ggtccaccga tcacagcacc 180

gcgtataaag ctgcgagacg ggagacattt ggcatacaag gagtatggac ttccaagaga 240

gaaagctaaa cacaaaatag tcttcatcca tggatccgat agttgtagac acgacgccgt 300

tttcgccact cttctttctc cggtacgttc ntaccaactc ttggnactaa ggttcataat 360

aatttcctga tcngttttca ctttanaagg atttagtcaa anaacgaagg cgtgtataag 420

ggttcntttg a 431

<210> 12672
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-061-Q1-E1-G4

<400> 12672

gagagtcata gacaggagac gtttgagatt gatgaacagc gaattcgaaa caaatcacat 60

ggaagaagag ctctctttcg ctaccgttac cttctccact tttctccttc attagggttt 120

tctctcttat ttagctgcgc agctctctct ctttcttacg gattcacttc ttaaaactcg 180

ttaatttctt gtgggttttt gtctcttttg cgatctgatt ccgaaagttg agtgagagtg 240

agagaatcat ggaggaagga agtatgttca gatctctatt agcgattctt cagtggtggg 300

gtttcaatgt taccgtcatc atcatgaaca aatggatctt tcagaaactg ggattttaag 360

tttccactat cggtttcatg tgttcacttc atatgttcgt cgattggagc ttacatcgtt 420

atcaaagttc 430

<210> 12673
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-061-Q1-E1-G7

<400> 12673

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tcgcgcgaag atatacaact ggtataattt tgttacagag ggatgcgttg aatcagtgaa 120

aggaaataat tttgttagcc atgagatctt ctctttttt ttgtgtgttt ctcttcacct 180

gtgcattgga attattaagg aaggccttca gcttttgtgt gtaaacctct ttagaatatg 240

tgacatacta ttctttctgg cctgtccttg tttctttgca ggttcagaat ctaattgaac 300

gatgcctcca gctttacatg aaccaagaaa gaaattgttg acactccttc ctaagaacaa 360

ggctaagatc gaacctgggt tttacagaac taggtaacct ccacacttcc ctggattt 418

<210> 12674
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-H1

<400> 12674

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gtcgtcttct ctcacttcga aatccattct cggatccacc aaactcggtt cttcttctct 120

tccctcggag ctccgtcgtc tctcttctcc cgccgttcag atctctctcc gtacccaaac 180

caggaagaac ttccagatac aagctactgg aagttcatat gggactcatt ttcgaagttt 240

caacttttgg agaatcacat ggaggaggag ttggttgtat cattgatggt tgtcctcctc 300

gtattccact tactgaatct gatttgcaat tcgatctcga tagaaggagg ctggtcagag 360

cangatnaca actcctaaga aaangagact gatacttgcc gggatatcgt ccgggagtct 420

cctgaaagga a 431

<210> 12675
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-H11

<400> 12675

aaagacaaaa atatatataa aaaagaaaaa aaaagaaaaa aaaataattg tcttgctctg 60

ttctatttaa cttttcttat atataaaaaa aatggcgaaa aatttactag caatatgtct 120

ggtgtttatg gttgcatcaa gtgtggttta tgaagtgcaa gggactttct tgttaaagct 180

ttacttgagg aggaagtttc ccagacgttg tatcgacttt gccccttatg ctggcaaagg 240

tatgttgatg ctcgtgagca accttgaagg tggatgtccc gcaactagag agttcaaaca 300

attcttttca acgttcaagt cttacatgag ctttatcagc tcagcatcga tatccgcatc 360

gaaaaacatc gatgtggaga tgaatgggag atgtnaattg ctttccaagg ctaatgtctg 420

cattgaccgg gaagcaa 437

<210> 12676
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-E3

<400> 12676

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aatcggatca tagctcgacg aagtctcgat cttttctatt ctctctttct gggtattcgt 120

gggttttacc cagatttcga aattgaatgg cggacgaact ggaattgtcg ccgttggttc 180

caccgtcgcc gatggtcgag ccttccgaga tcgatctcga agctggagga cctggtgaac 240

aaattcagtg ccgaatctgc cttgaaactg atggtaggga tttcattgcc ccatgcaaat 300

gcaaaggaac atcaaagtat gtacatcgtg attgcttgga tcattggaga gctataaagg 360

aaggtttcgc gtttgcgcac tgcacaactt gcaaggntcc atattatccg agagttcaca 420

atgctgg 427

<210> 12677
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-C4

<400> 12677

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cgcnggacgc gtgggcaaat ccaggaagcc tattctgttt tgaatgatga gaataagagg 120

tcaatgtacg atgttggact atatgatcct catgaagatg atgacgatga cttctgtgat 180

ttcatgcaag agatgatctc aatgatgaac aatgtcaaag acgcgggaga gagcttggaa 240

gacttgcaac gaatgttcac ggatatggtt ggtggagatg gcgtgagcta tgactgtaac 300

aataatccaa agggcaacaa aagaccacgt gtcaatatct cgaggagtag tgctgcgatg 360

cgttaaggct tacttctttt gtgtatgagt gtcgtgttgt atcaaaattt caattccatg 420

ttcaattgtc tagaccataa aataaattat ctgtgaaaac caactaagaa ctaggtagaa 480

tctttgggat cc 492

<210> 12678
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-C6

<400> 12678

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aagggagaaa gtgaaatatt tcttcggaat gtgttcgaga atatattgaa aacgtaccta 120

aggaagaacc cgacggcgaa gacaatatgg gaactggttc agtcgttgga caacgaaaag 180

atctgctacg accacttcac tttcaggaca ctaaaggtcg atggttatgg aatagactcc 240

ttgtcgagtt ttttcatggc ttatggatat aaaattggtg gtggacttga ttttcccaag 300

aagaaactac ganttctttg ggtttctcca actgatgttc acgttcctaa atgatgggtc 360

acggtctaag gcaacgggcc ctttgccggc gacttgttta taacctgagg gttcttgttg 420

ggaccnaact aa 432

<210> 12679
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-C8

<400> 12679

gcaacatcaa cgacttattc gagagaaaat gaatcggaat cttagaaacg ccattgtcgc 60

atttcttgct ccacttcctt ctatcgtatt ctacctcacc tttctcagta attactcttc 120

atcttccgat tcagagctct cttctattca atcatggtgt ttgaatcatc ctcttctatt 180

agcaaacctt ctcttcttct taaacgtcaa tgtgctcttc tgggtcatcg gtttactcca 240

atctagccac tggatgatcg atgtgtattg ggacagtgat acctgtaatg ctggttcatt 300

acttcgcttc gcatcnattg tcacagttca ataagctnga gatcaaggat tgtcataaac 360

tctgacatgg attttgggag cattaggttg acgncataan tacttccggc ggggaaaag 419

<210> 12680
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-C9

<400> 12680

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cgtgtacccg aaacgtcacc ggaagcaaaa acaagcggat caagcgacgg caaatggtgg 120

caaaactgtt gcttcaaatg gaaccgtagc taacggcgga gataacgttt tccgttcgtt 180

ggaagagcaa gctgaggatc gtcgacgacg gatcttagcg gcgaagatga ctgctattga 240

ttcagatgat gatggtgttg ttagatctaa acatcgatct aatggttacg gtgatgatgg 300

gtatgatttt gatggtagtg atgatgagat cgcaacgctg aaggttgang aagttaagaa 360

gccaaagcct aagaaggaga agaagcctaa agtttccttg cctgaanctg cnannaanat 420

tt 422

<210> 12681
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-D1

<400> 12681

acgcctgtnc gtacgcctcc gaaaattcca aggtcnacnc acgcgtccgc ncacgcgtcc 60

gcccacgcgt ccggacaaag tagctgatgt ccttggggct cttccttcta cagatgcctc 120

atgggacgat ctaancaatg tttctgtgca acttcgtttg aacaagaaat gggattcnat 180

natcttggtg tgtgagtgga ttttaaggga agagctcctt tcagcctgat gtaatctgct 240

tcaatttgct tanncatgct taagganaga anttccagta caaggangcg gaatcactct 300

angtacanct tcttgaatcc cgctatgtgc ctacggggag acacatacgc ncttcttata 360

aangcatact gtatggcatg gctcatagan agagctgaag ttgttttagt ccaaatgcan 420

antcatcatg tttctccaaa gtgtaactgt atacaatgcc ctatattgaa nggngttaat 480

gaa 483

<210> 12682
<211> 153
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-D11

<400> 12682

anatattgcn agctcggttc ancggtcagc ctctggtgaa tttatgagaa aatgtgaagg 60

ancaggtgat tccgagtctg tgttggacaa ntacaatctc catgatgagg cacagtctaa 120

gacangttcc tcgagtgccg ggaaagatat ngt 153

<210> 12683
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-060-Q1-E1-D2

<400> 12683

atgtggagtg tattcctcca aataaaataa agtttgattt tcttggtaag gattcaatcc 60

agtatgtaaa caagaggctc aacctcgact gtgttcacat actggattga gcctcttgtt 120

tacaaggcca ttggacagtt ccaggcggga aaatccaaaa cagatgatct ttttgatgag 180

ttagacacaa gtaaactgaa tgctcatttg aaggaacttg tgcctggtct cacagctaaa 240

gtattccgta catataatgc ttccatcact ttggatgaaa tgctgagtca agaaaccaaa 300

gatggcgatg ttactcaaaa aatagtagtt tatcagaaag caaataagga ggttgccata 360

atctgcaatc atcagcgtta ctggttcaaa agacacatgg tgcgcaaatt gaaaaaattg 420

actgcgaaga a 431

<210> 12684
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-D4

<400> 12684

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gaaagatatc ttcttctctc ataactcagt ttactcaaga ttcactgaaa catacaatta 120

agttaaccgt caagtctctc acctgcagca aaattcactc ttctgctaat aatgttctcc 180

acagagattc atctattgat cattttgact ttttcaggta aagtaaattt ttatttctct 240

tttcggtcta gtaaagtttt actcaaacat agaaagttac gantttnttt ttgttttgtt 300

ttccatggaa aaattctcgg gcatgcaaaa acnttttttt ttttttttcc taaaaaaggt 360

anttaccttt tccttttttt ctcangtcct ttttccntan agtggaaatt ttttttcctn 420

cg 422

<210> 12685
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-D5

<400> 12685

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ttgagatcaa aatggcttca agtgcttcaa agttcatcaa gtgtgtgact gttggtgatg 120

gtgctgttgg taaaacctgt atgctcatct gctacaccag caataaattc cccactgact 180

acataccaac agtttttgac aactttagtg caaatgttgt tgttgaaggc accactgtca 240

atttggggct ttgggacact gctgggcaag aagactataa cagattaagg cctttaangt 300

tacaggggag cagatgtttt cgtcttgtcc ttctcattaa gtcagccgag ctanntacga 360

gaatgttttt aaaaangtgg atncctgaaa ctccaaacac tttgctccan gnagttcccc 420

ttgtcc 426

<210> 12686
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-D6

<400> 12686

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tctctcaaca tccaaaactc tccatcactg cttctcctcc attgttccat acccaaacaa 120

ccaaacccat ctctgtaaaa cggaaaatca taactctagc agctccagag acactcaccg 180

ctgaaacagt caccggaatt gatacttccg acaacactcc acaacanaca ataaaggtgg 240

tgaagccaga tgagaaatca agagtggtac tcaagtttgt gtggatggag aagaacatan 300

gattaggatt ggaccaacat gtacctggac atgggcacaa atcccacttt agtccttact 360

tcttctggcc taaggaaaga tgcttgggga anaagcttaa gtcta 405

<210> 12687
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-060-Q1-E1-D7

<400> 12687

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aaaggcaacg acttccttca atcgatgaaa atgaagaaga cgccgagacc tccgacgccg 120

gaagttccgg tgaagaagac gaagacgaaa ctcagaatca aggaatgaga ccagaatctg 180

aggatcgagg atcaacgagc gatgatagcg atcgtgaagt tgtgattgag gagagacgat 240

ttggtaaatt tgtaaatagt cagagttctt cttctagcaa agattcgcct ctttctgtaa 300

cgttattgga tccagatgtt cttgattgtc ctatttgttg cgagccattg aagattccta 360

tctttcaggt tttgcttctt cattgattac acaatccatt gaagcactct gattttaagt 420

t 421

<210> 12688
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-D8

<400> 12688

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tcgattgatc tttatagtag tgtaccgtct cccggtatcg gttttcttgg gaataattcg 120

atgacgagat tcggaagctc tttcttgtct tctggtttga taagaagaca tactccggaa 180

tcattaccta ctgttacaaa acctttgtta gaagaacaag cagatgaaca agcactacca 240

naacatagac ttagctctca gggcttactc tctcctattc cttcgaggag gggttcgatg 300

cgaaaggatg aganatcatc catggtgtct catgagattc caatgtctcg ttaatagctc 360

atacgggaca aagctgttac taanatgggt cagttcatnc ttaaatgctt gagnttaaaa 420

tatccgtgtc ttctc 435

<210> 12689
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-D9

<400> 12689

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tactgtaaat agcaaagatg gctcttctta ctttttcgtt cctcagattg agttagatga 180

gcacgaggag gtctctatat tagcagttac attggcatgg aatgaatctc tctcttacac 240

agttgagcaa acaattagtt catatgagaa atcaattttt caggtttctt ctcatttctg 300

cccaaatgta gaggatcact ggttcaaaca tctaaaaagt tctttagcga agcttantgt 360

tgaagagata catccacttg agatggagca tatgggcttt ttcanctttt ccgggaaaaa 420

tttagg 426

<210> 12690
<211> 320
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-E1

<400> 12690

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catttcagag atcaaatgtc tttactanca nctcttctac tgtannaaag ggttgtntcg 120

tggtctacac ggcngataaa atccgctttg cttttccaat aagttatctg agcaactcta 180

ttgtccaagg agctcttgaa aatatctgaa agaagagttc ngtctcccaa cggaaaggnc 240

caatcacatt gccgttcgat tcggttttct tggagtatct catcaaactg atccaaanga 300

cnanatggat gggcgatnca 320

<210> 12691
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-E10

<400> 12691

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tctcaaatct cttcaactat tttgatttgc cgccatgtat cgacgcgcca cttccggcgt 180

gcgttctgcc tccgcaaggc tttcttcttc cctctccagg atcgcctcta gcgagacagc 240

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ctcctcggct ctccgctcct ttcgagtttg ctctgcttcc acgcggtggg agccaaggtg 360

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tag 423

<210> 12692
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-C11

<400> 12692

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gctcaaacgc agagtgccct acacgattcc acatcgaaag aggaanaaaa cgctctcgag 120

gcagtctcaa agagtacaag agcgacgagt atttggaata tagactgtat tggtgttcat 180

ttggtcctga gaactatgga gaaggtggtg gtgtgttacc cagtaggaaa tatcgtctca 240

acactagaaa tcgagctgcg agacctcaat ctatgagagg atgtacatgt cattttgtgg 300

ttaaacgact ctatgctcgt ccttcacttg cgcttcttat atacaatgag agacgacatg 360

tcaacaaagc tgggttcgtt tgtcatggac cctcctgata ganatgcgaa tggncccggt 420

tcnaaanaa 429

<210> 12693
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-A12

<400> 12693

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ccgcccacgc gtccgatttc aatagaagac gaagaacgtt tcagaatcat caaccaaatt 120

cagaaaattt cagccatgac aggatcacaa gaagaccaac ctaagatcat cattgatcaa 180

gagcaaccca aaactctaga aacagagcac caaccataac cttcttcatc gtctccggat 240

cagaagaaat ggggtactca cgtgatggga gctccggcag ctccagttgc tcatcccgat 300

aaccaacagg cggcggcgtg ggtcgctgga nataancagc agacgcagta ccaaccggta 360

cgtcatctac tcncctgtcg aacatccaac aactaanaac cctctcgagc cagtcatcgg 420

natgttccac acctggagtc tcaaagggng aaaccgttcg caagtaacct ctgggnaaaa 480

tntgaaacac aagggng 497

<210> 12694
<211> 347
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-A2

<400> 12694

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tgatagctct ctggtccaat aatcgagaaa cctatcttga ccaccttctc cgacgccggt 120

gtagcccacg cttgccagcg tcgggatttt tccntccctg cntctctcta tttcacattg 180

cnatctgttt cccctcttgt gcggccgttt cctcaatcat ctagtgtaat caagcgtctt 240

aaaagtggan aacggcattt catcctccat catactcaga tctatcgacg cnggttcttc 300

ctcgatctcc ctttaaacct tcttccanng tnnctcgccg cngggna 347

<210> 12695
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-A6

<400> 12695

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tgcttcaagc agtgatgagt catctgatga ctcttcttca gatgatgaac ctgcacccaa 120

gaaggccgtt gctgctacta acggaactgt tgcaaagaag tctaaggatg actcatcatc 180

atctgatgat gattcttcag acgaggaagt tgctgtcacc aagaagcccg cagctgctgc 240

taaaaatggc tctgtaaagg ccaagaaaga gagttcgtct gaagatgatt catcttctga 300

angacgaaac ctgcnangaa acctgctgct aagattgcca ngccanctgc taaaggattc 360

ttcatcctcc tgatggatga ctcatatgaa nggattccga aggatgataa actgctacca 420

anggaaggca gg 432

<210> 12696
<211> 423

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-A7

<400> 12696

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atggtggctg ctcttctctc tgctggggca agaccgaacc tggtgacaga ctcgacgaag 120

gataatcttg gtggatgcat ggcanctgat ttggcacagc aaaacggata tgacggttta 180

gctgcttatc ttgctgagaa atgtttggtt gctcagttta gagacatgaa aattgctgga 240

aacatcactg gcgatctgga ggcttgcaag gcagagatgt tgaaccaagg cactctaccg 300

gaaagatgag cagagtctca aggatgctct tgcagcatac agaacagctg cagaagcagc 360

ggctcggatt caaggtgcgt ttangggaaa aagcgctaan gggcancacg gtcaaagcgt 420

gat 423

<210> 12697
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-A8

<400> 12697

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ggtagttcaa gcccaagaat gtggcaacga tctancaaat gtgcaggtat gcgccgccat 120

ggtgctgccc ggttcaggca gaccaaattc agagtgttgc gccgcacttc aatctactaa 180

tagagattgt ctatgcaacg ctctccgtgc agccacctct cttccttcgc tttgtaacct 240

tcctccctgt gggattgtgg gtataaaatg cttaagntta ngctacngag ncanantcca 300

agatgatcaa gggaaaancg ggaaaaatta gagagaataa tggagaanta ttcnaagtcc 360

ntaatgttgt tnttccttcn naaacttcct ggcttttacn aaagntanaa ggttctaant 420

agt 423

<210> 12698
<211> 93

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-B1

<400> 12698

atagccaccg aagctcttct gacttgtctg agtccntgtc aancatgaaa ccgaagagcc 60

atgggaacag tcaccaccac agttctcaca aga 93

<210> 12699
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-B10

<400> 12699

gggaaagtag ataaaaaatt tcggccatta aaggacaaaa tcacaagaaa gtagaaaccc 60

tagagatttt gaaaccgaaa ccccaaaaac ccctttgacg cctccttctt cttatctctt 120

tataaaaaac catttctttc ctgcaanatc gttgcttatc atcagacgca catcacctgt 180

tcgataaaat tcctctgana gtgttttttt tgttttcctt ctgacaaaga aatatgtatg 240

tantgaagcg tgacggaaga caggaaactg ttcatttcga taagattact gcgaggctta 300

agaaacttaa gctatggggc ttagcagtga ccattgtgac cctgtcctcg ttgctcanaa 360

ggtccgtgnc cggtgtcaat aaaaggngtc actacgagtc caactttgaa nangntggg 419

<210> 12700
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-B11

<400> 12700

ctgntaccct ggccggtacc gaaccagant tcgtcgantc acgcgtccgc gcctctctgg 60

atttcgaaga gctgagagat tagggtttct cgattttcga gattagagtc taatccccac 120

caccagcata gctgatatcc tggaggagag aatgacggat tcgggtctaa tgatgccggc 180

ggagattgct ggaattctaa ccacggcgat tacgagttgg tgggatgatg ttaatgagtc 240

aactcagtgg caagatggga tctttttcgc tctttgtggt gcttangctc ttgtttccgc 300

cgttgctctt gttcaactga taaggatcca aatgagagtg cctgaagtat ggttggacta 360

ctcagaaggt gtttcatctt atgaactttg tcgtcaatgg aggtgattat tttccgtgcg 420

gttccgtttg ggatttcaca tcaaagtatt ccctggttca tcccaaggct cnttgctggg 480

g 481

<210> 12701
<211> 254
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-B2

<400> 12701

cnanntcngn gaagcatcac gatgatgatn ttaatggctg ttttggtctg gtcagtgact 60

ctagagacct gcattgccac aagaggaaga cattggagac atangccacc gaagctcttc 120

tgacttgtct gattccttgt caaacaagaa accgaagagc catgggaaca gtcaccacca 180

cagttctcac aanaacaanc atcaccacan gtctaaacct aaaccgaaac caaaagctga 240

aancngccgc caaa 254

<210> 12702
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-B3

<400> 12702

cgtactgttg tgagcattcc aaatggaccc tctgctttgg ctgttaaaga agcagcttgg 60

ggacttgctc gctacgcagc tatttctcaa gacagcggtc tggtgccgat tgtggagcca 120

gagattatgt tggacggaga acacggcatt gacaggacat acgacgttgc agagaaggtt 180

tgggctgagg tcttcttcta cctcgctcag aacaacgtca tgttcgaagg tattctcctg 240

aagccaagca tggttactcc aggagctgag gccacagaca gagctactcc tgagcangtt 300

gcttcctaca ctctcaagct ccttcgcaaa cagaatccct cctgctgtcc ccggaatcat 360

gttcttgtct ggtggacaat cccgangttn ggaaggccna ccttnnaact 410

<210> 12703
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-B4

<400> 12703

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ccgctagtga agataaaaat catttctaga gcttcctctt tctctctctg tatgatctga 120

agcgaatcgt ctttagattc ttcaccaatc actatcaaaa ggacctcttt ttaaagcttt 180

tcgagacgag ctgggtttcg gatcctgtga gcttcagaga cgcttactgg gtttatcaac 240

aaggctttcc ctttgaatca agctttgatt gagaaaggag tgaaaagatt ttgattttga 300

tcagatacac aaagtgttct tgcgttagtt aagcgactan gtgtgtgttg ttgtagtgaa 360

agcttcctta ctgttgacaa gtatctccga natggaaacg cttattgtag ccgtgggaa 419

<210> 12704
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-B5

<400> 12704

aaagcaagaa gtcggttatt cgacttgttg acatggaatc tgcgtatcta accgctgagt 60

tcttccggaa acttcctcaa gaaatagaaa gaccagtaac caacagcaaa aaccaaaccg 120

cttctccttc gtctgcaaca ttagaccagt atggagacgg acatttcaga aggatagcat 180

caaatgtatc tgcgtatgtt aatatggttt cggacacact tcgtaacacc attccaaaag 240

cttgtgtgta ctgtcaggtt agacaagcca agctcgcatt gctcaattac ttctactctc 300

angatcaagc aagagagagg gggaaacang ttgggacagt tactagantg aagatcgggc 360

attgatggac cgggngacta gagtgcgcna agangctaga gttntacaag gaangcaagg 420

agatgangat tg 432

<210> 12705
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-B7

<400> 12705

gggcgtgcaa atcaggtata cgtcatcgac tttggtctgg caaagaagta cagagactca 60

aatcatcagc atattccata tagggaaaac aaaaacttga ctggaactgc tagatacgct 120

agcatgaaca ctcaccttgg cattgaacaa agtcgtagag atgatttgga gtcacttgga 180

ttcgttctca tgtacttctt aaaaggaagt cttccttggc aaggactgaa agctggcaat 240

aagaagcaaa agtatgagaa aatcagtgaa aagaaagtat cgacatctat tgaggcttta 300

tgccgaggtt atccatctga atttgcatct tatttccatt attgccgttc tccgagattt 360

gacgacaagc cannctaatg cctacctgaa acggnttttc ccgcgacctg ttatt 415

<210> 12706
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-B8

<400> 12706

gcctaactaa acccaacgcc ggcctctctt tctctctctc cccgcttctc tcgtcgatcg 60

ctgaccatgg ccaaggacaa actcaagcct cttctctcct ctgatgctgc aggtgatatc 120

gctgatactc ctctccgaga gaagaagcat aagaagaaga gcaagaagcg agctgaacct 180

gaacctgata taccctctac acgagattcc ggtcttgatg aagatagaga tggagtattg 240

gtagatgata ctctaaatga gccaacgata ggtgataaac ttgagagtct tgacttatta 300

aatggcgaaa aggttaacag tgaggagagt antagagatt ccggctcctg ggcgaagata 360

agnctcctna ctggctgctt ccggtttaac gttcntcctg aagacaaagc attgcatgcc 420

ngatg 425

<210> 12707
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-C1

<400> 12707

aacctncngt acgnccccaa nttccanagt cnacccgncc gtccgatatt aanaanataa 60

ccccggaggg aagaaatgga nacatggagg gaaatgagtt tacggacaac ggttccatca 120

aagagactgt agatgctgct gttggaatgc tcaacgaaaa aagagctcat gagggagaag 180

tttctggtga agaaaaacga agcaacgaga attgggattc atttcanaat attttgatga 240

ggcacgatga tggctcacat gtgcattcaa tggatgtcat ccgtcaggag catttcacac 300

ataagaggcn ctagtgtggg tgcaaattct aatggcttgc aaacaaaaga acactgcctc 360

gggtgattcc atcatcacaa cgcataaata catagaaana tgggacggan atagccnttg 420

atcatttttg naaagttaan gaatantgct ccncagggct tcccaagaac cgaggggact 480

ccnacngann a 491

<210> 12708
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-H7

<400> 12708

aatggaatct ttatcgaatc caagctgatt ttgtttcttt cattgaatca tctctctaaa 60

gtggaatttt gtaaagagaa gatctgaagt tgtgtagagg agcttagtga tggagacaaa 120

ttcgtctgga gaagatctgg ttattaagac tcggaagcca tatacgataa caaagcaacg 180

tgaaaggtgg actgaggaag aacataatag attcattgaa gctttgaggc ttatggtaga 240

agcatgggca agaaagaatt gaaagaacat gttagcaaca aaaaactggc tgtccaagaa 300

taaagaaagt cacgcctcaa gaaatttttc ctccaaaggg nngaagaaan gaaggctgaa 360

agccaaaggg tgtaacctat ggggtcaaag ccgctnagac ataagctaat nctcctccaa 420

cgggcctaaa gccgt 435

<210> 12709
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-C11

<400> 12709

aagttcttca aattcgcngt tgaattttgt ttctcggaga aattancana accctatacg 60

atcacattat cgcttctgan atcaangacg atgcagcant tactgttcgc tgttgttctc 120

ttcgaggttg ttgtgataat ggcgctttcc ttcaagacgc cgattaggaa gctgttgatt 180

atgagcttgg atcgttccaa gcgtggtcgt ggaccggtgg tgattcagac ggtttctgcg 240

acggttattg tgcttctggt gacgagcgtg tacaatatga tggggatcca gaagcgttgg 300

atcgaanatg gtgtagtgaa tcctacagat gangttatca tggctaagca tctccttgaa 360

tccgactctt aagggtggtt ttctattc 388

<210> 12710
<211> 70
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-C8

<400> 12710

ctctttantt aactaantta ttcaataagt aaaccataga taggatggtg tttttangtt 60

tggtttaagt 70

<210> 12711
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-D10

<400> 12711

aagtggaact gacattgatg cagttatctc tggatttttg tcgcctctgc acaaggtcca 60

tgccccatct aagattcata acggaagtga taatggccac cttgctgatg ctactgttga 120

ccaagcatcc ggaattttat catccccaga taccgagata gacaatgcat ctgatagaga 180

gttatccttc aggatattct tgacagatga acgtggtttg aacattaaac cactgcagtc 240

tgaatcttct ataagcccgg gtaccgttac aagagtttta agtcgagtgg aatgagggtg 300

agcatgaaag atatgattcc agctacttga gtgatcttcc agangttcat aaaacaagtt 360

tctcctgcaa agaagacaag gcaagaatcg atatccctgt tttcgtgttt gg 412

<210> 12712
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-D12

<400> 12712

aaaccanaag acaaacaaaa acgccgtcgt ttcacgatgc tttcttcttc cccaaccttc 60

ttcgctactc catttctctc ttcttcttct tcttcttctc cgtcgttctc ttctacttca 120

ccaccgtcac gcatttcccg gatctcgccg tcgctttcta caaccaccgc gtcctacacc 180

tgcgccgaag atctaccgag attacgccaa atcccgcagc gattttcaag caaccgcgtc 240

tctctacgag atccttgaaa ttcccgtcgg ctcgacgagt caagagatca aatcagctta 300

ccggcgacta gccaggatcn gtcatcccga tgtagcgaga aaatagtcgg gataactcgt 360

cgggcgggac gaattcatga agattcaagc aagcgtaatg gcacgcnttc nggttcccga 420

gaaaag 426

<210> 12713
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-D9

<400> 12713

gtcggctggt ttatccataa gattttgaaa caacgtaagg tgcctgagaa gatatgtaca 60

tattctgtaa tggtttggct tttcaatccg tttacattca ctattggaac cagagggaac 120

tgtgaaccca tcgtttgtgc catgatatta tggatcattc tctgcctaat gcaaggtaat 180

ttgttacaag ctgcattttg gtacgggctt gttgtgcatt tcagggtcta tcctattatc 240

tatgccttgc caatcatcct ggttcttgat acccaggtat ttagatctgg tcaaaagccg 300

gctcttttgt attggaatac cggtcaggcc aagacacctg ccagtaacat ggagagaaaa 360

acattcctct tcaatctctt gaccaccttg aaaagtttan tttccangga gagaatcatg 420

t 421

<210> 12714
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-059-Q1-E1-E11

<400> 12714

gcactgaagc cctaggactt ccttcaggca gtgtatctcc aaggactatt gatgagctag 60

agaagatttt ggagaaatct gcagctcgag gacttcccat gatcgtagct aatccagatt 120

acgtgactgt tgaagcaaat gtttttcata tcatgccagg tacactagct tccaagtatg 180

aagaactggg aggagaagtg aagtcgatgg gaaaacctca taagatgatc tatgagtctg 240

ctatagcaat tgcgggagtc aatccgtctg agtctatcgc agtaggagat tcgctacatc 300

atgatataag gggagcaaat gtttcaggaa ttgaatcaat attcatcact ggagggattc 360

atggtaatga gcttggtctc acttcttttg atgaaactgc aagtctagac tcagg 415

<210> 12715
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-059-Q1-E1-E12

<400> 12715

attctttcta attaagcaat aataatttaa tgtttttttt aattgaattt tatgattttt 60

tttaggtaat tgaagcaaag aagtcgcatt ttgattatag cacacctaaa aagagattgc 120

catttcgaga cgcaatacta atccttgatt caaattcgaa ttccagtagt caagatgatg 180

aaatggagcc tcctaatgca ccaattcgaa ggaggtttat taatcgagaa tcggatttgt 240

cgaagatctc tatggtattg tttaaatgaa gaagaaaggt aaaaaaaaag aatcagctaa 300

ttgtgcagaa gatgaggaaa gaacaagaca tagaagagtt tgcttttgct tcaattcttt 360

atcattgaag ctttttatta tatttactga ccatgtgaat ataaccaatt atttgcag 418

<210> 12716
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-E2

<400> 12716

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tcgacttttc tccgccgttt ctcgcaaacc ttcctcttct ttctctcctt ctcctccgtc 120

gccgtcttcg aggactcaat ggactcagct cagccctgga aaatcgattt ctttgagaag 180

aagagtcttc ttgttgcctg cnaaagccac aacagagcaa tcaggtccag taggaggaga 240

caacgtcgat agcaatgttt tgccctattg tagcatcaac aagggctgag aagaaaacaa 300

ttggtgaaat ggaacaagag tttctccaag cgttgcaatc ctttctatta tgatggnnaa 360

nngatcangt ctaaggaaga atttgataan ccttaaanna agagttaatg tggggaangg 420

aagcatt 427

<210> 12717
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-F1

<400> 12717

aaaaacatga aaatcctctc actttcactt ctcttgctct tggccgctac ggtctcggca 60

tccgttccag ggctcatcga actcgtcgat tcgaaaacca tctttgggaa cgtagccgaa 120

ctcttagaga aagagaaact ttccatcaac tacgccaact gcagaagctg gcaccttggt 180

gttgagacct ctaacatcat acacttcgac acggtgcccg caaattgcaa agactatgtt 240

gaagacgact tgatcacttc caaacagtac caatacgact ccaaaaccgt gtgcaaagag 300

gcttatttct atgccaaagg actttgcccn aanagaacga caccngtcaa ngtnttggat 360

ctttgaccta nangataccc ncctctctaa gtanttccct aacnaaggcc anaatatgga 420

tnanggnanc ag 432

<210> 12718
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-F12

<400> 12718

gnntgnggaa ntgtttngtt gnccngccgg taccganacc aaaattcncg ggtcgaccca 60

cgcgtccgct cattttcccg agcgatcgtc catggcggac atcgacatcg gaaccgcagc 120

aacaacagga ggaaacgaag gaagaggagg cacacgagaa cgtctaataa accgagaaaa 180

caagttcaca cgtagcgtat ctcacgcaca agacgagctc cacagtttcc ggaaatatct 240

ccgatggatg tgcgtagatc agtcgagtcc ttggacggcg gttctatcat ggtctatgtt 300

cgttgttttc acgctcgttg ttcctgccac gtctcacttc atgctcgctt gctctgactg 360

cgatagccat cactctaggc cgtacgattc cgttgttcag ctttctctta gcaagtttcg 420

ctgctctttc gtttctttgt ctctncanat tcgttaacaa gtatgggctc cgacngttcc 480

caatccttgg 490

<210> 12719
<211> 340
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-F3

<400> 12719

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ctggcgattt tttccagaga ttctccgatt ctcgaggagg aggaggagga ggaggaggag 120

ggagagaagg agaaggacat tttcgattcg attgatgtga aacgctccta cttgattcnc 180

gtcgtctgag atgggagtta tcatcnagga ttgataatgg ttcccgaatc atcatccgag 240

ggatanngan ttnttctggc gatgatttcg aattcnaana gttgatttcg anattcgatg 300

caccggaggt tnnnagaatt tctcnagacc tganncttta 340

<210> 12720
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-F8

<400> 12720

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aatcttcgtt ccgattccaa ttcagaggca gcgcatggtg cttctgagtc tgagactcga 120

gtctctttaa ggaagaagag gataaagcag gatgatttgg agcctgtaaa gaaatgttcc 180

gccaganaaa ccaaggcccg caaggacatg tgtggantac ctgatataga agactctcct 240

tatangaaga ctaatggaac tgcttcatct aggacganga aaactaaact catacatagg 300

gatcnncaga anctagccct tcngcatcgt cgatcaanga cagcaggggc ctanggcata 360

ncaccctgaa aancngggan gaaggtgctc gaagggttnt 400

<210> 12721
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-059-Q1-E1-F9

<400> 12721

aaagaagatc ccattacttc cacagactta atctggaaca gagattttat ggatcaaatg 60

aagaaattgt ttgatgatcc taatgattct tctctcgacc catctccttc aaaggaaaag 120

tcttctgggt ttctgagctt tagcagagtt atgagtcttg acagtatgga tgttgattta 180

agtaaagagc ttgcatcgtc ttctaaatcc gttgtgaaaa atcgtcttga cacctccaag 240

tcagaagcta aaaagcaaat gagtaaggct attgtgtctc ctaaatggaa gctggcacct 300

acacgtcgtg agcaagagaa atgggataga gcaacgaagg ctgcaactgg tggcagtgat 360

gtgatgttta gggagctgag acggccacgt ggtgacccaa gaagtacaag ctgctaaaga 420

caag 424

<210> 12722
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-G10

<400> 12722

accgttttag tcttcctctc ccgccgaagt gttctctccg tacttttagc gtcctcgcca 60

atggnaagcg cactcaatct ctgctaccac atcacttctc cgtattcaac caaagtcacc 120

gacttgttac ctccttgagt cacaatgttt ccaacaaatc tgatgcagag gcagagcgtt 180

cctgtgatga aggagaaatg ttggataaga ataggataag caagaaaaac ccgtttgttt 240

cggaaagagc ttctcaagaa gttgaagaga tatggactct ctggaatatt atcctatggg 300

gttacttaat acagtctatt actccacagc tttcctcttg ggtctggttt tatgtggctc 360

cagcaccggg gaaaaatggg ttatcttgct gcggctgaga gatttcttaa ag 412

<210> 12723
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-B12

<400> 12723

accaaagcag cttccaagca tctagagaaa acagaatcta caatacttgt ccttagtaag 60

caaaaatgtg tgcattagta cctccattgt ttccaaactt tgggtggcca tcaacgggag 120

agtacgacag ctactacctc gccggagata tcctcaacaa cggcgggttt cttgattttc 180

cggtaccgga ggagacttat ggagctgtta cagcggtgac tcaacatcag aatagctttg 240

gtgtttctgt ttcgtcggag ggaaatgaaa tagacaacaa tccggtggtc gtcaagaagc 300

ttaatcacaa tgctagtgag cgtgaccgtc gcaggaaaat taactctttg ttctcatctc 360

tccgttcang tctcctgcct ccgggcaatc cganaaacct aa 402

<210> 12724

<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-G12

<400> 12724

taaactatgt gaaggaggag aacctccata acaagaagcg gattctctca gttttccggc 60

ggcggaggaa cacaaagcca ccggttttta gacacacaga tttcattttc agttgttaaa 120

tggtaactan agaaacgaag ttgacgtcag agcgagaagt agagtcgtcc atggcgcaag 180

cganacataa tggaggaggt ggtggtgaga atcatccgtt tacttctttg ggaagacaat 240

cctctatcta ctcattgacc cttgacgagt tccaacatgc tttatgtgag aacggcaaga 300

actttgggtc catgaacatg gacgaagttt cttgtctcta nttggaacgc atangagaat 360

aataacaatc aacaacaaag caagcaacaa gctgcaangg ttcaaaantc ccgtttcggg 420

<210> 12725
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-H1

<400> 12725

agtttctacc tttttcttat cttcaagtgt gatatattgt gagaagattg cagaagcgtg 60

tccaacttgg ttccctctct ctctgaaatt actcaatcat ggggatttgc ttgagtgctc 120

aggtcaaagc tgagagctca ggagccnagt acaaagtatg acgccaaagg atataggaag 180

ttcttgggaa gcaagnctcc gtccgtngtn ctggtaagaa caaagccccc caactgaagg 240

ntaagatttt aaaatcccca aatcccaaga nttttancnt tncnganctt aaatcngcaa 300

ncnnggaatt ttagaccaga cantgtnctt ggtgaangtg gattccgttg tgttttcaaa 360

nggatggatt gaagaagaag tc 382

<210> 12726
<211> 91
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-H12

<400> 12726

anaatctatn cgctgctcac ntcctggttt tcttcaaggc ctcaaagcag aacatgattc 60

agcaatgggg tgcgattaat caaccnaatg t 91

<210> 12727
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-B2

<400> 12727

agtttcttct tgcttttgag aaaaaataat tatatatttt tatataggaa agggttaatt 60

tattaataaa aaaaaataaa aagaagcaga aaagagataa tgcagggtgg taggcttttg 120

acggtgttgg tgtgcctcgc ctccacggtg gcgttggtga gcgccggtga cccttacttc 180

tactacacgt ggaacgtaac ctacggaacc gccgcgcctc tcggaattcc tcaacaggtg 240

attctcatca acggacaagt tccctggtcc taacctaaac tcaacctcca acaacaatgt 300

cgtcatcaat gtcttcaaca acctcgacga gcctttcctc ttgacctgga gtggactcca 360

gcacaggaag aactcatggc aagatggtgt gactgggaac tcatgcccaa tcccaagcaa 420

ggnnccaant naccttacg 440

<210> 12728
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-B3

<400> 12728

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gtcatcctct ctcctcacca aaatctcctc tgtatcccct caaaggattt tcctcaagaa 120

gagcanagtg tgttacanaa gagttgtgtc agtgaaggcn caggtgacaa canatactac 180

cgaggcacca ncagttaaag tagtcaagga gtctaagaaa caggaanaag ggattgttgt 240

caacanattc aaacctaaga acccttanac tggtccctgc cttttgaaca ccangatnac 300

ccggtgatga cgctcccggt gagacttggn acattgtctt caccanccga atgtgaggtn 360

ccgtagagag aangacantc gataggaagn gattgcagca gggaanggga ncngcag 417

<210> 12729
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-B8

<400> 12729

atctacctca tcttcctcct ccaccgcagt tgcaaccgcc cgaaacgcca tcatgggaaa 60

caccatcgtc tgtatggtat actccaagaa ccacaccatg gagaacacca cagagcacac 120

aatccacacc agttggccaa atggtcttaa caaagccagc aacggttaga ttcaacggtc 180

ttgatgcaga gccgaggaaa gatagggtga ttctccgtca gccaaggagt agcaggacca 240

gtctctggat atggtgtgtt gccggtttct gttttgtgtt cagccttttg cttatctttt 300

ttgcgattgc cactttgata gtgtttcttg cgattagacc aagaatacct gttttcgaca 360

tcccaaacgc aaacctacac acgatctact tcgacacgcc ggagtttttc aacgggngaa 420

nttgnccnaa gg 432

<210> 12730
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-B9

<400> 12730

tcgcgaaaga gatatcttac gaatctccac aagtgcgaat ttcgaacgga gctacgattc 60

catggcgacc aacggagaga aggtcacggc tacggtggtg aatggcggag ggctatctac 120

tggtgaaaac cctaagaaaa ttgtagacct caacactacg gagttagatc gtactgacga 180

cattctcgac ggagaagtca agggattttc agattctggt gaaaagaagg aagaaaccga 240

ctctaatggt attggatcga cggctggtgt tgattctggg gatatctctc cggtcgatga 300

tatccaagaa gaagattcga cgtgctgaga ggtttggtgt ttcggtgaaa ttgaccgaag 360

angagaagcg caattctcgt gctgagaagt ttgggtactg gtacctgcaa ncaattggtg 420

<210> 12731
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-C1

<400> 12731

tgntaccctg cagntacggt ccgnaattcc cgggncgacc cacgcgtccg ctcggatcgc 60

tttcccaagc ggcgattcca cggcggaccg tcgcgtcgtc gtgcgccacc acgttcctgt 120

gtaactgttc ggcggaccac ctgagatctt tgcttagcag atctcccgca gacgccaacg 180

tcggtatgct ctgtatcgcg tttccgaagt agtacggatc catcttcggc tcaagccggt 240

gccggcaatt aaccgccatt cgaaacgtcg tcgtcttgct cggatcgaga ttcctcgctc 300

gtgtaacgga tcgccatagc tgagcgctga gagattggaa cgatgaaatc tcaagccgtc 360

cgatcataac tcttcttatt attcaaaaaa ctatccaaaa cgtttggtaa tcgcctctct 420

gctgaaatga aaaattctct ccccgtagaa ggtggtccgg ggtcnaaagt gaaaacgtgg 480

gccnacg 487

<210> 12732
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-058-P1-E1-C10

<400> 12732

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tgctgtgatg aaacaacttg ttgataatta tcgtgattct caccttggaa gtcgtcttcc 120

agcgtatgat ggtcgaaaaa gtctttacac tgctggtcca cttcccttta actccaagga 180

gttcagaatc aatcttcttg acgaagaagt aggggctgga ggtcaaagac gagaaaggga 240

atttaaagtt gtgatcaagc taagttgcac gtgctgatct gcatcaccta ggaatgtttt 300

tggaggggaa acaatcagat gccccacaag aagctctgca agttcttgac attgttcctc 360

gtgagctgcc gacctccaag gaaaatcccg gtgggccgtc cctttaatcc cccggaa 417

<210> 12733
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-C11

<400> 12733

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tggtcgatcg tacgaaaggt tcttcatcgc cagttctcca ctctccgttc ctcgacacca 120

tcgtcgcgat tatctacttc catccgaccg cttgttctgg ccccaaactc gatatcgtcg 180

ctaatcgcta gaaattcgtt gttcactgcc tccaacattg gtccatccat cgattttaac 240

ttctccaaca cttcgcttcc tcatcggaga agcctctgtt cggaagctgg aggtgaaaat 300

ggtgttgttc tagtgaaatc aagaggaaga gttcatcaat gcaatgagca aagctcaaag 360

atggattttt aacatcggtc ctccaattca acggccgccc gggtgttgga ccaagcaagg 420

<210> 12734
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-C12

<400> 12734

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tctatcctct tcttctacac gtctcgccac cacaatatat ggacgaagat cctaccactt 120

atcacctgcg ctacgatgtg cctccgcagc ttcttcttct tcttccagtg ccacgacggc 180

tgaaacttct aaaccctccg gccgcaatcg ccggtctgcg tcatcttcca attccacctc 240

tgatcgtgaa gctatccgct ccattcgcct taaaaaggtt gaagaattga gaggccaagg 300

tcttgaacct tatgcttata agtgggaaaa atcccacagt gcaaatcaag cttcaagaag 360

atatataagc atttaactaa cggtgaagaa tcaagccatg gagattgant gggttccaaa 420

agctgggg 428

<210> 12735
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-C2

<400> 12735

aacttcctaa gaaaaaaaaa cagagagatt ttttttctct ttctaaagct tttttataga 60

gtaaagatgt tttcagagca cttaccttct tcttcatctc aagttttcca agaacacttc 120

atcgacagtt tcgtctccag aaaattgctt cagcagatcc catttgccca caacgctcaa 180

caagctcatg tacctgataa gaacaacttg agcggcaatg ttctcatgct gctctctatc 240

cttttgtgcg gtatcatctg ctccctcggg ttgcattaca taatacgttg tgcatttata 300

cgttctcgaa gtttcatgat ctctgatccc atctctatcc catccacacc aagagattca 360

tcaagtaaac agagggatca agaagaaagc cccangatgt taccaanttg ggaattncnc 420

ncccgggaag taaccngggg g 441

<210> 12736
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-C3

<400> 12736

ggacgcgtcc gtcttctcat gctctttcta ccaaggagaa gattttctcg ttaattttgt 60

ttgacttgcc tcttcgaagc aacctgattc tgtggtctga atcttttcaa gggaagagaa 120

gataagctaa acaagagaat ggtgacaggt tgtgttgatc ttcatcaatc tttcaaatct 180

gcagattcac cttctgtgcc aattcctcct cctcttccat caaaatctga tggactcaag 240

aaaaaacttg ggcatancag cgtttcgaca gccacaagag atatgtggga tcgtcttttc 300

aatgacngnt acaaagctga tgtagtcatc tanacagata atgggcangt atccatccat 360

gcncatgcca acatcctttg ggaactggct ccaccggncn ttcanacggc aatgttgnaa 420

gccaagccnn g 431

<210> 12737
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-C5

<400> 12737

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tgattctgtc gtatgtggtt gccgccgagg tagcgatcgc cgtcatcttg actctccctt 120

acccaatgct cctgaagaaa cgcatcgtat cacttatctc gctcatactc aatcctgccg 180

cttccatcgt cgccttcgct ggatttcaac tcctcgatat ttactggaag aatgagcata 240

ggctattgtg ctcatctgaa gtttgcacta ctacagagcg ggatcgtcac gagaaatccg 300

tctataaggc tcagaggaat ggggttctgt gtgcggctgg gatccttctc tactggtgca 360

tcttccgcat ctgcaagtac cacaaagacc ttgagcgttt ggagcaattn nagaaaaaa 419

<210> 12738
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-C6

<400> 12738

aggttccaag agaacttagc ttcttgttct acgtacgaca ccaaaaatta attcaaaaaa 60

gaaaaagaag agagttcaat gagaaaacat tctcttgatc gatggctttt aacagctgtt 120

cttgtcgttc tcctctcgtc ttcttcctcc ttcgcggcca agaaggacgc caagaagaag 180

aagaagagta ataaggaggt gacatatgat ggaacctctt tgatcatcga tggcaaaaga 240

gagcttcttt attctggctc tattcattac ccgagaagca ctccggaaat gtggccaagt 300

atcatcaaga gagccaagca aggcggtttg aacacgattc agacatacgt tttctgggaa 360

tgtacatgag cctcaacaag ggnaagttca acttttcggg gacgagctga atttggggaa 420

gttcg 425

<210> 12739
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-C7

<400> 12739

gagagcaagc agcggcgcag aagttgaaca caagtgaagc tcacaatggc gaggattaag 60

gttcacgaat tgagggagaa gtcgaagagc gatcttcaaa accagctgaa ggaactcaaa 120

gctgagctcg ctctcctccg tgtcgctaaa gtcaccggag gtgctccaaa caagctctct 180

aaaatcaagg tcgtgcgtaa atccatagct caggttttga cagtgtcttc tcagaagcag 240

aagtctgctc taagagaagc atacaagaac aagaagttgc ttcctcttga tctccgtccc 300

aagaagaccc gtgctattcg tagacgcctc accaaacacc aggcctcgtt gaagacanga 360

gcgtgaagaa ggangaaagg ggtt 384

<210> 12740
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-B11

<400> 12740

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tcttcaacct tataccctag tttcgcaatt tcattctcat tttctccgct cttcatctct 120

ttcgatcaac caatttacga catggatgag gttgttgttg aagtggagaa gacgaagaga 180

gaatgggaag aagcgtacga gaagacgatt ggacatatta tctcgattca acagtacggt 240

aaatcaagga ggggagatgg aggagaagag aagttttcgt tacagaggct caacggattg 300

gctcaggatg gtctctctct tctcaattcc cttcaattca atttggatct gctcgcacct 360

caagcttccn tccgaangat cagggtcaat ccaatccagt cactcccttg gaaacgttgg 420

gaagga 426

<210> 12741

<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-C8

<400> 12741

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tatgcttcac cattctattt gcatctgtga cccttcttga cctagtatca gcacacctga 120

aatttaagcc atctttgcct caaatcgaag atccaaagac ggtgaaggat gtagagcctt 180

acaccgttaa agtagtaatg gtctttgtgg ccgacctcga gaaggaatgt cccaagacaa 240

acaagttcaa ggccttcttt gagaaactta gaggattcgc caagtatgtt tgcccaataa 300

gaaggattgg ccaagtagat tacgaccggg acatgaaggg caaagccggg ggtatcttca 360

agggcatatc ttcttttgcg attggaaaga ttanggaggg aaattcanga aggaaaaaca 420

ggaggctant ngg 433

<210> 12742
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-H1

<400> 12742

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aggattcatt catcatatcc agaaatggct ctaaagttta acccttttggt ggcatctcag 120

ccttacaaat tcccttcctc gactcgtccg ccaactcctt ctttcagatc tcccaagttc 180

ctctgcctcg cttcttcttc tccggctctc agctccggcc ccaaggaggt tgagaagttt 240

gaagaaacca tttacgccac ccagggaagt gcatgttcaa gtcttgcact ccatgccacc 300

tcaaaagatc gagatcttca aatctatgga aaactgggcc gagggagaac cttctgattc 360

accncaagga tgtggagaag tctngggann cccaggantt cntgcctgga ccctgnatca 420

agangngttt tg 432

<210> 12743

<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-H12

<400> 12743

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gattactcaa tctctagggt ttagtggttc anccaaattc gtaccctaat gggtgccgta 120

gcgatcaatc gtaaacgcag cgacgaatcc ttcaatttca ttaatcaaca atcaaccaac 180

cctttangaa gttcaccgta tttccaaggc ttccaagaaa cgaagattct cattcgctat 240

gtctgaagat tctggtaagc cagcgtcttc aancccaaca atttcgagga tttcaaggta 300

cccctgatgc tnaagctcct ctnagacnag nagattcatg cgcctantag aaggaattcn 360

tanaatatng naanggcaan atcctaaatg cnttacnggc gaa 403

<210> 12744
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-H3

<400> 12744

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ctcctctatc ttcgaattca tccgggagaa gaaacttgaa gacttttcgt tacgcctttc 120

gcgccaaagc ctctgccaaa atccctatgc ctccgataaa tccaaaggat cctttcctct 180

ccacgctcgc ttctattgcc gcgaattctc cggaaaagct tctcaatcgg ccggttaacg 240

ctgatgtgcc gccatatctt gacatctttg actcccctca gctcatgtct tctcctgcac 300

aggttgaaag atcagtggct tataacgagc accgaccgaa gaactcctcc agcaagactt 360

gncaactaag cttcntgacg gggagaaatt gtttacattg ggaatggcct ccttgttgcc 420

ngggaatgg 429

<210> 12745
<211> 520
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-H4

<400> 12745

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ccacgcgtcc gcacacgcgt ccgctaaaat cgcgaaagag atatcttacg aatctccaca 120

agtgcgaatt tcgaacggag ctacgattcc atggcgacca acggagagaa ggtcacggct 180

acggtggtga atggcggagg gctatctact ggtgaaaacc ctaagaaaat tgtagacctc 240

aacactacgg agttagatcg tactgacgac attctcgacg gagaagtcaa gggattttca 300

gattctggtg aaaagaagga agaaaccgac tctaatggta ttggatcgac ggctggtgtt 360

gattctgggg atatctctcc ggtcgatgat atccagaaga agattcgacg tgctganagg 420

tttggtgttt cggtgaaatt gaccgaagaa ggagaagcgc aattctcgtg ctgagaagtt 480

tggtactggt anctgcaaca atggtgaatg gctcaaaagg 520

<210> 12746
<211> 87
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-H6

<400> 12746

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gcctctccgt naccaccgcc tccggga 87

<210> 12747
<211> 366
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-A1

<400> 12747

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cttgttataa taaagcacta ttgatcggca acaaagtcgt cgntatactt gtattcctcc 120

tatgtttggt tcactcgtca gagtcacttc gancactgnt tgcatgtgat tcancaaacg 180

ggttaaccgg acgctccggt tctgtcnggc caatgtaccg attcatgtgn gagttcaaag 240

atttgctccn ggaaagntca cnttgcacgg agaagatccg naacctcntc aaaaatgcng 300

ccgccgnncc aangtctcgg gnattggngg ccaatnantg ggggggnccn aagggccccc 360

acgggg 366

<210> 12748
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-A10

<400> 12748

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tcttcttcat agcacaagtg tgtttacttg ctggctctgt acgaaacgct taccatacaa 120

agtaccgtgt ctactttggt aacacttccc cttcttgtcg atcactgagg aaaggcgtgt 180

ttggggctgg agcagcattc atagtgctca cggggattgt ctccgaagct ttactatgtg 240

acccttttcga gggccaaaga ctttcaacct tcaagagatc ccggtatccg aatgagtagc 300

ctgtagaact tacacctgct ttgtagattt agaataatta tgttcattgt tggttatcaa 360

cctactaacc tanggtcaan tgggtgttaa ggaatntaat nagtaatgga gggnaaacca 420

acatttt 427

<210> 12749
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-A12

<400> 12749

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cttctccttc tcagtcatgg tcatggatat cgatttcaac gagtacaagc tcaggtgcga 120

gcttcatggc cacgatgatg atgttcgtgg gatttgtgtg tgtaatgatg agaatatagc 180

tacttcatca agagatagga ccataagggt ttggtcactg gatccatctg ataagcgcaa 240

gtatacctcc gagaaaattc tgctgggtca tactaagctt tgttgggcca cttgcatgga 300

tcccaccaac tgatgaatac cctgaaggaa gacttgtctc tgggagtatg gatactttcg 360

tttttgnttg ggatctgatg aatggngaag natattcnga cantnaaaag gnccacaaa 419

<210> 12750
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-A4

<400> 12750

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aagatccact caaaccagtt ggttggtgaa ccagggacca tgaaatggtg atcaacactg 120

tctacaaaaa cattcgtttg tgttttgact tgaggacatc tttgtttggg aagtaaggtt 180

tcttaattta atagaaagct tttcaaaaat tgttttataa tattcttcaa gcaaaganaa 240

gagagagaga taactcntgt gagaataatg taacaactct tggttccaac tacaactttg 300

cttctgtata tatcccacgc tgantctttg aggctcatgt tacttacaac ngccgcgntn 360

gnnntccgcc attaaccnng gancgncgcc cnccanggag ggntncccca gancna 416

<210> 12751
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-A5

<400> 12751

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tcgagctang accaaaacca tcagacatga aaggaacaga aatactaaac aaactagcaa 180

taccaaactg ggaagtcaca ggattcgtcg aatacattaa atcaggacat naacaaggag 240

acatgcttct cgttgttccc gccggtaaat tcgctgtaag acttgggaac gaagcatcga 300

tnaaacaaag actaaaagtg gttaaaggaa tgtattactc actcactttt aagtgctgcc 360

aaaaacttgt nnaacaagna cgaagagaac ttaacatatc tngttagnca cctgantccc 420

ngg 423

<210> 12752
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-A7

<400> 12752

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tttgcgaagt atgggagacg ctagagacaa cgaagcctac gaggaggagc tcttggacta 120

tgaagaagaa gacgagaagg tcccagattc tggaaacaaa gttaacggtg aagccgtgaa 180

aaaagggtac gtgggaatac acagttctgg attcagagac ttccttttaa aaccggagct 240

tctcagagct attgttgact ctggatttga acatccatct gaaggtaata aacgatattt 300

caatctattg gtttggagtg agcttaaaca tgtgctaaag ccaccaattt aaaaggatat 360

ggaggttatc atctaccnta taaaggnttt cctcggntan aatt 404

<210> 12753
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-A8

<400> 12753

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gttgatatag gaacagatcc aaatgaagtg ttccaagatg tggagtgggc tattctgatt 120

ggagcaaaac ctcgaggccc tggaatggaa cgtgctgact tgttggacat caatggccaa 180

atctttgctg agcagggcaa agctctgaac aaagctgcct ctcctaacgt caaggttctt 240

gtagtgggaa acccttgcaa caccaatgcc ttgatttgtc ttaaaaatgc tcccaacatt 300

cctgcaaaga acttccatgc cctcacgagg ttagacnaaa atcgtgccaa atgccagctt 360

gctcttaaag ccggtgtttt ctatgacnaa nttgttgnat aatgaccnta tgggggaaat 420

cacncccncg nancng 436

<210> 12754
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-G7

<400> 12754

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tcttcacgct tctcatcgat ccttagcctt ctcttgatct ccatctccat agcttcggct 120

gagattcgta aatcagagat ccgatccgat gatcgtccaa tcancccttt agacgaattc 180

ggtttcactc acagcggtcg tcttgagctt gacgcttcca agatctggnt ttccaacagc 240

aatcccgatc tcgatctctc caaagtgggc ttctttcnct gcactagaga cgcttgggtt 300

catgtgatcc aacagcttga agaagaagag atcacgtgcg ctcnacaatc agatctcgtn 360

aagcatgtgt tcaccttcaa caatctcaag ggaggagatn agagcagatt cnncaacggt 420

nntcnagg 428

<210> 12755
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-A9

<400> 12755

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ctcttcttca aggaagccac cacatcgaga aacatctgtc gaggcatcgg acgttgatta 120

ctgtggctcc gaacgcttct gtgattggtg atgttcagat caataaaggc tcgttcattt 180

cgtatgcaag tgtttctcgt gatttgcagt atcctcgtgc aatgggaatg ggacaggtcc 240

ggagatttag cgaagatgtt tctcacatgc ctgaaatgga agactctgat gttctgaatg 300

cattcaaagg acttgatggc tgcagattgg gctgaagctt ccttctgctg ttgttnaaag 360

atgctaaaaa ccgcgatatc nnnaaaacaa cag 393

<210> 12756
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-B10

<400> 12756

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ccgatgcttc tggtcgcata gcccatcccc gcagatctgt taattccggt tacatatgaa 120

ataacattga aacatttgat ggatgatgac tttacagatg gataaaacta ctgcttcctc 180

ttcatgggag cgagccaagt ccatatatga tgagattgct gagttagcaa acaagcgtca 240

gaaggctggg aaatccacct gacccaaatt tgttgcaagc tcttacgtga gaagtatgaa 300

gcaataattc ttgaaaagtc atacctttc tgagcaagca caacattgga aattcctccg 360

gggcagttgc attacaaacg gggttgaana atttagnnta canatcaaat cggggtaatn 420

ggct 424

<210> 12757
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-D1

<400> 12757

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cgtgagagaa ttttcaatcc tagggcttaa agagcacgtt cctagtataa agctgattca 120

cagatgcggn gattcttgat taaccaagct aaaggtctcg tcgaccattc tcgtcgtcaa 180

catcaccaca aaagtccaag ctttctctct cctcaacctc gtccccttgc ttcttctcct 240

cctgctctgt ctcgtttctt ctcttctact tcggagatgt ctgcttctga ttccacttct 300

tctcttcccg ttactcttga ctccatcaat cccaaggttc tgaaatgtga gtatgctgtt 360

cgaggagaaa ttgtcaacat tgctcagaag ttacaagaag acttgaagac aantaaggnt 420

gcntatc 427

<210> 12758
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-D2

<400> 12758

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aggatagaga tgacaaaaga agaagagcgg agttcatttt gagacagtgt atggagaacc 120

cagtagacct caatcagttg taaaataagt gattcattac agtctgtgta gcgtactatt 180

aatcttgtga tttgtaacct ttctttatac aggcctatgt tatgattatg attttgtgac 240

tgaaagaatg agaatttcta acctatcttt taggcaattg atatgatgtc tttctcatga 300

gattcttgtt acataactta atgttagttt caaaaaaaaa nngcgnnggn nacgggnnna 360

aaaaaagggg cggccgctct anaaggatnc aaggcctaac gntaccccgt gnatgncnnc 420

gtt 423

<210> 12759
<211> 283
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-D3

<400> 12759

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attcaccggg tgataacatt gangcagaaa gattctccgg tgataacatt gangctgang 120

agcaatgtat ccgactggtc aacagatttc gtttcaganc actccgttga atgttcagga 180

tccaacaang atgatgaatt tggatcaatc ttcaccagtt gcaaganatg aanctcagaa 240

tggaggaggc attgctcacg ctgagtttgc natgttnaan tcc 283

<210> 12760
<211> 56

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-D9

<400> 12760

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<210> 12761
<211> 366
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-E2

<400> 12761

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agggaaattc cgcnnaantt naatttgcna tngatacnct taccggcgaa tcattcgcca 120

tcaaaatcat cgagaantcg tgtatcacac gtcttaacgt ctcttttcaa gattaagaga 180

gagattcgaa cactcaaagt tttgaagcat ccaatcattg tccgattaca tgaggtcttg 240

gcnagcaaaa ccaagatnta catggttctg gaangtgtca ctggaggana cttatttgac 300

agaattgtct cgaaangata actttcggaa acacattgac gaaaaatgtt caagcagttn 360

aantga 366

<210> 12762
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-E4

<400> 12762

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gtttggagta gctgcaagcc aaggagcact tcttcttgct ggaggtgaaa aangaatgcn 120

ctatgcaatg ccaaatactc gtgtcatgat acatcaacca caaactggat gcggaggaca 180

tgtaaaggac gtnaggagac aggtcaatga anccatcgaa gcccgacaaa aaattgacag 240

gatgtatgca gctttcactg tgacaacctc tgggagaaaa gtgcagcant acactgaaag 300

agattcgntt tccctatcan catctgatgc cgctttgagt tccgggctca ctgganngtc 360

ctattgggaa acanaatacc tgaancancc tanaaggaca atgnnc 406

<210> 12763
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-E6

<400> 12763

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ctgtggactg cctgaatcaa aagacaatgg caacatgttc ttcaagctta ttggtgttac 120

caaatttgag attgagttct aaccaaagac gcaatttcaa ggtaagagct caaatctctg 180

gtgaaaacaa gaaggcgaca tcattggaac cagtgaacaa caacggttcg gtctctttgt 240

ctactactgt tcaaaaccaa aaaggggcaa atgaagtgaa tgggaaaggg aaatccaaga 300

gaaagatagt gagtgatgaa attgagttgt tatgggatga tgggtatggc tccaaatctg 360

ttaaagatta ctttgctgcg gctaaagaga ttttgaaggc tgatggtggt cctccacggg 420

gggtttaatc 430

<210> 12764
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-E7

<400> 12764

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taccgcactt gatagtgaac ggagaccagc ggcattgggg agagttcatt actccaggga 180

ttcttttcct ctacattgct ggatggatcg ggtgggttgg aagaagctac ttaatagcta 240

ttagtggtga gaagaaaccc gcgatgaaag agatcatcat cgatgttcct ttggctagtc 300

ggatcatctt ccgtggtttc atttggcccg ttgctgccta cagagagttt ctcaatggtg 360

atctcattgc taaggatgtt taaaaaggga acttgttttc cgcttttggg ttactcnncc 420

ctaaa 425

<210> 12765
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-E8

<400> 12765

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gggaaggtct ggagatcaag gtggtgaatc caccggcggc ggcgacaaac aatgtggctg 120

tagaaacgtc tccggcgacg gcgacgagga gacggagaca acaacaacga gcttcgttcg 180

ctgagtttag accgtttaag ctttggtttc catggcttgt tccagctatc gtggtggcta 240

acattgccct tttcgccatt tcgatgttta ttaacaattg tcctaagaac tcggcttatt 300

gcttagctag gtttcttggg agatttgctt ttcagcctat gaaagagaat cctcttctgg 360

gtcnttcttc nttgacattg gagaagatgg gggctttaga tgtatcaatg ggtggttcat 420

aag 423

<210> 12766
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-E9

<400> 12766

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ctcactggcg tcatcgccga gatcggagta cgatagtcag ccacgcgtac ggttcatgtg 120

tacttttgga ggaaggatct tgccacgtcc gccggataat cagctctgtt acgtcggcgg 180

cgataatcgc atggtcgctg ttcatcgtca cactactttc gcctctctcc ttagtanact 240

tgccnaanct ctccggtaan aagcaacata agcgtgaagt taccagctnc canncgaaga 300

tcttgacgcg ttgatttccg ttgcaacgga cgaagatttg nangaacatg atggacgaat 360

acgaccgccn tcgcacagaa tcaaaagccc acgnggcctc tcgtcttcgt ccttttttcc 419

<210> 12767
<211> 108
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-F10

<400> 12767

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ttccgctgat ctgactgntg aagctatgat gcttgactcg agagcttc 108

<210> 12768
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-F3

<400> 12768

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cttaactaac gcaagaacac tttgtgtatc tgatcaaaat tatgggaaga aatctcttgg 120

ncatgatcgt tttagatcag ctccttccaa aacttttagg cagatcaatt gcagaacttt 180

tcaatctggt gtgggtttgc ttccaagacc taagagaact tcttcaacac ctttaaccaa 240

aggagctctt tctcaagttc agtctcctcg ttctcctaag tccgttttac cggtttttca 300

tcatccatct gttgacagtg gtagaaccag tcccattcca attgctaatt gcagaggttc 360

tcaagatccg taggtgttct aagtgagttt gttgacaaaa ggagaagcct ttcttattct 420

gagctatggg cangacctac ttactccaac tcacctccaa cgtgcntcng tgcccgaatc 480

ccaangt 487

<210> 12769
<211> 236
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-F6

<400> 12769

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ccttgcaagt tcacagcttt catgggttac aaagctggta tgactcacat tgtcananaa 120

gtggagaaac ctgnatccaa gcttcacaag aaggagacat gtgaggctgt taccatcatt 180

ganacacctg ctatggtggt tgttggngnt gttgcctatg tgangactcc tagagg 236

<210> 12770
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-F8

<400> 12770

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cggcatccgt tccagggctc atcgaactcg tcgattcgaa aaccatcttt gggaacgtag 120

ccgaactctt anagaaagan aaactttcca tcaagtacgc caantgcaga agctggcacc 180

ttggtgttga gacctctaac atcatagact tcgacacggt gcccgcagaa ttgcaaagac 240

tatgttgaag actacttgat cacttccaan acagtaccaa tacgatgtcc aaaaccgtgt 300

gcaaagaggc ttatttctat gccaaaggac ttgccctaag agaacgacac cgtcaatgtt 360

tggatccttg ncctagatga taccctnctc tcctaggtat tccctactna cgncgggnat 420

ntggaanagg gaacanng 438

<210> 12771
<211> 55
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-F9

<400> 12771

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<210> 12772
<211> 144
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-G1

<400> 12772

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gtgganagtc actgtgattn nact 144

<210> 12773
<211> 53
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-G10

<400> 12773

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<210> 12774
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-C9

<400> 12774

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tttcaacaca gaaggacaca accactccac ggcggaatcc ggcgatgcct acaccgtgtc 120

ggacccgaca aagaacgtcg atgaagatgg tcgagagaag cgtaccggga cgtggcttac 180

ggcgagtgcg catattatca cggcggtgat aggctccgga gtgttgtctt tagcatgggc 240

tatagctcaa cttggttgga ttcgcatggg aacatccgat tcttactcaa ttttcctcgt 300

tcantaacnt acnttaanct ccaancatgg ccttgcccga attgctaacc gttgcgccgg 360

attcccgntc aaccgggaaa acgggaattt acaccttaca atggaagttt ggttcgattc 420

ttacccccgg nggtg 435

<210> 12775
<211> 124
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-G11

<400> 12775

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tcgatctatc tcaactcaag tggtgcgtaa ccggcatgaa gagtgttnag ancagccaga 120

agat 124

<210> 12776
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-G3

<400> 12776

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ttccgggaac aaaaaaccta gctttttttt tattccggct taaccagttt tcgaaaaacc 180

ctagcttcca tggcgaaaac tcgacctggt gtcgcctcca aaattaagac gggaaggaag 240

gagctggact cttataccat caagggcacc aacaaagttg tgagagcggg agattgtgtg 300

ttgatgcgcc catcagatgc tggtaaacca ccatatgtgg cccgtgttga gaagattgaa 360

gctgatgcga agaacaatgt gaaaggtgca ctgtcgatgg tantaccgcc ctgangagtc 420

act 423

<210> 12777
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-G5

<400> 12777

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aatcgcaaaa gaagaaaaat tcggatcaaa attgtcttca agcatcatgg atccatacag 120

ggttcgtcct tcaagcgctc atgattcccc tttcttcact acaaactcgg gtgctcctgt 180

ctggaacaac aactcttctt tgactgtcgg aactcgaggt ccaatccttc tggaggacta 240

tcatctgctt gagaaactcg ctaactttga cagggagcgg attcctgaga gggttgttca 300

tgccagggga gccagtgcta agggtttctt tgaagtcact catgacatta cccaacttac 360

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ctngtca 427

<210> 12778
<211> 726
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-H9

<400> 12778

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aattggtcgt gtcttagcag acgatatata tataggttcc cgatgtgtcg cctttcgaaa 180

tcaaagatcc tgggattgga cttgtcaatc gattaataac ctttgggaac acaatcaata 240

tccattcgaa ctccctttac ttgtcggagt acatcttggg atctgtcgat taagttatgg 300

tcggagtccc actcatggtg anctccgttg aanttggggg aaagctgtta ggtaattatc 360

gccggtcaat ccgatccngg cgaaaccngg ggactccaac taacaattaa agaaactttt 420

caaaaccggg cnggagttat ttacaaggan ggtactggcc gaaacaatgt tccaaacccc 480

cnttataatn gggaaaaatc caaattccaa tggagggatt ttggntcaaa cccnaaaacg 540

tnaaacgtta acggggnatc ccngcccttt ccaaaggnta aaaaaaaact tgncggtaan 600

ttattgnnaa ccnaaaaatt ttgttcaaan ancggtgacc aattnccacc aaaaaaantt 660

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gggnnt 726

<210> 12779
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-A11

<400> 12779

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tcagcctcca gatctcaaga agtacatgga caagaaactc caaattaagc ttaatgccaa 180

cagaatggtt gttggaactc tccgtggctt tgatcagttc atgaatcttg ttgtggataa 240

cactgttgaa gtcaatgggt gatgacaaaa ctgacattgg ggatgggtgg tgataaagag 300

gaaacagcat tgttaactgt tgaagctctc gaaccaggtt gggaagatnn naagcttatg 360

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cncg 424

<210> 12780
<211> 233
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-A2

<400> 12780

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cgcatccntg attttgggat actgtttttt tttttttaa tcttgtntca ttttcacgtg 180

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<210> 12781
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-A4

<400> 12781

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caagatgcaa aacgaagagg gtcaggtcac tgagctttac attcctagga aatgttctgc 120

tactaaccgg ttgatcacat ccaaggatca tgcctctgtt cagctcaaca ttggtcattt 180

agatgctaat ggcttgtaca ccggacagtt cacaaccttt gctctctgcg gttttgtccg 240

tgctcaggga gacgctgaca gtggtgtcga caggttgtgg cagaagaaga aggttgaagc 300

caaacaaaac taagagctta atctgtcttg ttttttgtcg aatcttgttt tttttttcc 360

gaaagattgc ctcatactga agtaatgatt ttggcnttgg gtcgtgggaa cttaactaaa 420

tg 422

<210> 12782
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-A5

<400> 12782

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aaaacgagta ggcctaaatc tacatctgtc gagaagaaat ctgttgcaga gaatggattg 120

cctgggaatt tggtcaaagt ctctgttaat ggtaaaagat tagcggcggc caatatccaa 180

tggagttcac tccctccatc tctttcgagg atgggacagg aagtattgag gcatagagaa 240

gctgctcaag tagtcgcaat agaggccctg caagaagcct ctgcttccga gagcttactt 300

cagtgcctca ttatgtactc cgatcttttg tcaacggcga aggaagatga tcattgccag 360

tcgttgagca gttcttgaaa gccccattnc cgggtttgaa aaaaccnccn aagttntg 418

<210> 12783
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-A7

<400> 12783

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tttgtaatct gacacacatc acaacaattt ctctttacgt tcttttggta cgatgctttt 120

gtgttttcag tttatcttaa ctttgtttta tttctcaatt ttacgattca tggttctgta 180

aatccatatt gggcagtctt ttcataaaca aaacgaggtg tgatgctaaa tttcattggg 240

acaacgctat attgtagaag acggtgaaga ttgttatacg ttttgcaagg cagggattta 300

tgatgacact cctccgggtc gttttgcttc cttgaaggca attggttttt ccaanttang 360

ttttgaatta ntactcccta nnnttatcag ggggtagcaa cattaccnga angtgtcncc 420

gnaacg 426

<210> 12784
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-A9

<400> 12784

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aagctacgga atcgttattc tctctttact cgttttctct ttcattgaat ttggcgttca 120

cgctcgtccc gtcgttctcg tcctcncaaa tgacgatctc aatagcggcg gcgatgataa 180

cggagtcgga gagtcctctg acttcgatga gtttggagaa tccgaaccta agtccgaaga 240

ggagcttgat cccggttcat ggcgatcgat ctcgagccag atgactcaan agtccanggc 300

agcctcgccg cagtactact ccggcctcaa aaagattcta tcggcggcca agttgaggga 360

aaattttcag gttganggaa ggaagcagtg ggatgaagat nnaaggctgg 410

<210> 12785
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-B3

<400> 12785

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aatgctttga agtttctgta aagagaaaga tcnacaattg ttttgaatat gccgaggcag 120

aatcaaagcg tagagaatct acttctactt ggcaaaatca ggaaacgtgg ttgttcttcg 180

ccgacatcgt cgacttcttc gattcctccg tgaaggtata gattcaaaag agcgatagtt 240

gttgggtaaa aagaggaagg atccactact cctgtaccta catgggagac ttatggggtc 300

gatctccttc tccacgagct tccggtgctt tacacgctgc tgcttctccg tcgtctcact 360

gcgggaagca aaaccgggta aagtatcaac tcccggcncc ngttcancta agga 414

<210> 12786
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-B5

<400> 12786

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agctcagtat tgttgttata tagaggagaa tctggaatca caagtagttt tattcgatct 120

gaatggcctg cggttgatat accacttgat catcatgttt tcaaagtccc aaaaggatat 180

aatgcaccac aacaagtaca cataactcaa ggtgattatg atggtaaagc tgttatcatc 240

tcttgggtta cacctgatga acctggttct agccaagtac attacggtgc ggttcagggg 300

anatatgagt ttgttgctca aggggacnta ccataactac acgttttaca ngntnnaant 360

cnggcttant catcactgcc ttgtcccnga ccttgagcaa ggannccncan nccantacca 420

ggg 423

<210> 12787
<211> 56
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-B7

<400> 12787

agcagctgaa cgagctcttg cctttganat tgganggcat cgtgatcgat tcattc 56

<210> 12788
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-056-Q1-E1-B8

<400> 12788

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aagaagaaag aggattcaag tgttcatctt ttggctccaa ttccaattct caattctcca 120

actgtggaat ggtcaagtct agtcgctgtt ggttcttatc tgtacgccat taccgcagac 180

atcaaagatt ctccatgctc taacgtttgg taccttgact gtcgaacgca cacttggctt 240

gattctccaa gattgcgact ggctcacatc aatagtgact ttaatgggag gacgtatttc 300

ccaggaagct ctgaaaagcc agattctttg aactgtgttg aagtgtacaa cacaaatact 360

cagacttgga atccgtgcct ccccaaaaac gaaag 395

<210> 12789
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-C11

<400> 12789

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tctgagagag agagagaaga aacttgttga aacaaaatca acaacaactt atagaagacc 120

aaaaaaagat tcataggatc ttttgcttga caatgaaaga aggaaaggat gggtttgttc 180

gagcagatca gattgatcta aaaagcttag acgagcaact agagagacac ttaagcagag 240

ctttgacttt agagaagaac aagangaaag atgaagaaga cacaaccgcc gtcgccatcg 300

gtggctctgc ttcgtcttcc cctgtcactc taaacggcgg cggatttgtt ggcaagagga 360

aacagagact tgagtgggga gatngattct tcngaaactt 400

<210> 12790
<211> 391
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-C12

<400> 12790

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tacggaagaa ttggtctcct aaaacgagta cccgagaaat ctacgaagca agctcataca 120

tttctcgcat ctctctcctt ctctacggaa ggtgcttatg gcggtgacgg tgagtttcag 180

caagaacagc tccaaagtca agatctttga ccgagacctc aagcgaatac atcgtgatcg 240

agcggcgtgg ctttctcgcc aaaaagaacg attcttttgt tgacgctgtt gcagataatc 300

tacttgatcg cttagaggat tgtnaagaag agttttccca ctgcattttg tttgggangg 360

atttcctggt gctgttaaga gattaccnan t 391

<210> 12791
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-C2

<400> 12791

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ccacgaggtg tgacacgcct tgtccaaggt gttcaagcct ttgtacgggt tggaggagag 120

tggctaaatg atttatctaa gtctacaagc gcgtctggtg gattaccaag tgaattgcag 180

cttggtctac tgtctcctct atatttgagg aaactctttg aacgcatggg agctacttac 240

attaagctgg gccagtttat agcatctgcg ccaactttgt tcccaccaag aatatgtcaa 300

agaatttcag aactgctttg acaaagctcc tcctgtgcca tttgaagaaa ttcgtaaaat 360

cttgcaagag gagcttggga gacncattga aagtgtatac gaatatgttg accctacgcc 420

aantgcatca gcctcaatag cacaaatcca tgggtgcaag gcttcnangc tcccaag 477

<210> 12792
<211> 728
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-H8

<400> 12792

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tccggtggag gaagtggctc ttgttgtgcc tganacggat gatccaagcc taccggtgat 120

gacattcaga gcttggttct tgggtctgac ctcttgtgtt ctgctcatct ttctcaacac 180

gttcttcaca taccgtacgc agccactcac catctcagcc atcctcatgc agatcgctgt 240

tttgcccatc ggcaagttca tggctcggac tcttcccacc acttctcaca accttcttgg 300

gtggagtttt agcctcaatc ctggtccttt taacatcaan gagcatgtca ttancaccat 360

ctttgctaat tgtggcgttg cttacggtgg tggtgatgct tactctattg gggctatcac 420

tgttatgaaa gcttacgata gacagancct taagcttcat ctgtggtctc atcatcgtcn 480

tgaccactca agattttggg gttangnttg ggctggggat tctagngagg taccgttgtt 540

tgattctggt tgacaatgtt gggtgggcct tcaanatctc cgcntccaag nttccgcccc 600

ntncangang cggntggcaa cnangaaggg gaaancnnnt ccaanagggc ttgnccangg 660

atnaggttnc tttcgaagtt agcccctngg tggcaaaggc ntnattttnc tagncanttc 720

nanggcga 728

<210> 12793
<211> 154
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-G8

<400> 12793

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gtacatccgt ggagtgacac ngaggtttct ctgncggatg aagganacng aaattgtggg 120

atcctttaac cncaacagtg ttacaaaaat ctgg 154

<210> 12794
<211> 666
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-G9

<400> 12794

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atgctcccgg ccgccatggc ggccgcggga attcgattat tggaaatcgt agtacatatt 120

gtggcactat ccgagggatt tcggtgagtc ctcgaaataa aaatcggatg atgtcagaaa 180

gaatttttat ccaaacatta attggtcgtg tcttagcaga cgatatatat ataggttccc 240

gatgtgtcgc ctttcgaaat caagatcttg gggattggga cttgtcaatc gattaataac 300

ctttggaaca caatcaatat ccattcgaac tccctttact tgtcggagta catcttggga 360

tctgtcgatt atgttatggt cggagtccca ctcatggtga cctccgttga attgggggaa 420

gctgttagta ttaacgcggg tcaatccgaa tcggggaaac gggggactca actaacaatt 480

aagaactttc aataacgggg nggngttatt naccagggaa ggtactggcc aaaanangtt 540

ccaaaccccc cttnataagn gggaaaaatc aanttcaatg aggatttggt tcacccnana 600

cgttaaacgt nacggggaat ccngcctttc aaggttaaaa naaacnttgc cgggaaattt 660

ttnnaa 666

<210> 12795
<211> 725
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-H10

<400> 12795

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ctctcccana tggtcgacct gcaggcggcc gcgaattcac tagtgattat tggnaatcgt 120

agtacatatt ggagaataat gacctacttg aaaaattatt gcatcatttt gatcatcaaa 180

ttgaaatagt ccatctcttt tttcttttct tttttcgtct aaaagaaata gtccatctca 240

aaactttaat atanaagctt gcttgatagg cttaagggtg tgtgttcttt gttgcccaaa 300

caaaaagttc taagttccaa atatagcgga ttcattgggc tccgaacaaa tgagaagaga 360

tctattacat acaagtttag gttttaaaaa gtaccaaaat aagtccataa ggtaatgtan 420

aacaatatga aactgataat taattccggt tttaacttaa aagaaacctt tgaatttaaa 480

agtagagata agtaactttg tagtancgtg ttatcagctc taagttacca gaaaccttta 540

aattttgtan aaagataagt aaatttgtag taatcattnc catttancaa naangtacac 600

gatttccaaa aaatngaaat tccccngccg caaagggngg ccggaanaat gnaaattcgg 660

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anngg 725

<210> 12796
<211> 596
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-H11

<400> 12796

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ggcgagttct gttagctcaa taaccggaga atcgccacag aagaaactgc ttcaatcggc 180

gtcttcttct tcttctctgg caatacttca tgacgaaatc gctgtgagtt gcttcgcang 240

cgtcccgaag atgttactan ccggngattt cactcgtctg caaggaactt cangggttta 300

aatgggttcg ccgggagatc tacatcgaac gggcaagtta nttcgtccgc actgaaaata 360

tccctaatat ggttgcaant tagatcaaga agctanaaaa aaccccttaa ctngggaaca 420

aaactccaat cctaaaaacc cctttgggaa caacaaggga ttaanccatt agattaantt 480

ccgggttcca tcattccctt caattcccng ggatatggga acaactatta ancncgtccg 540

ggttctgaaa cttacgntca ttgggnggnt gcattgacgg ganaattaan ncccaa 596

<210> 12797
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-H3

<400> 12797

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cgatcattgg gctttaaaaa gagagctgct gcgttccagc gggctttgtg tagagcaaag 120

agttttgcca cggaatgttt ttgttgtcaa agtagtagta tatctggtta tgggaaagtg 180

acagatttag tttaattaag ttgaatccct tattagtcat atgcattaag ttaagtaaac 240

ttaataagtt gtgtggctta gaaataatat tgttttgtct atttttggag tgggttgctc 300

ttggggtgta gaaaaatgtc actcttcatt ggattaagta atatacattt ttttgttcaa 360

aanaannaan aaanggnnnc aaagnnnann nngnatcnta agcnc 405

<210> 12798
<211> 811
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-H4

<400> 12798

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acttacactt tcttcatctt cttcacataa accctaaacc ccttttttctc gctctcttcc 120

tggtttaaaa tgttctctcc attgacgaag agagctaagc aaagctcacg caacgaaaaa 180

actccacgca atcgagtccc tccgccggat tctccagtaa ctccggcaac tcaaaatcgg 240

aacaatttca tctcagatcg tcccgccact ggaactcctg ctccttgggc tcctcgttta 300

tcggttctag ctagagtttc tcctggaaac aatggtgaca aaggagttga ttcagatcaa 360

ttaaagcctg tattcgttgg agagtttcct caattgttgc gcgatgaaca aagttatcct 420

gggtgatgct tgtgtatccg gtggaatgga taaagagacc tgtctttctt ggtttattac 480

tgggaagtaa agtttttgta tgggaagtca tttgacgact ttaccgtcga gaaaatgtgt 540

tgttcttgaa cttcctgttg ttgttttggt taatgaagag tccggtagtg gtttacaaag 600

atggggaaaa gttggtggtt aaatgttggt aatcttgggg aaaacttctn gcnggtgcaa 660

gctacgaagg ggcttctcgg tcctccgtaa gtccctggtt ggggngttgg ttaaggtgta 720

atagaaaaaa ctccgaagcc tgttggtggt aattggggca agnacataat ttttctgggt 780

caaggaaacc tggaacntgg ttatcaagtn g 811

<210> 12799
<211> 750
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-H5

<400> 12799

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aggaagagtg cgtatgcccg caaacaatcg ggtgcatagt agtgcagcgc ttcagactca 180

tggaatatgg cagagtgcga ttggttatga tccttatgca ccaactagta aagaagagcc 240

taagacgaca caacagaaaa ccgaagatcc cgagaactcg tacgcgagtt ttcagggact 300

tttggctctt gctaggatta cgggttcgaa taacgatgag gctcgtggtt cttgtaanaa 360

gtgtggccgt gttgggcatt tgacgtttca gtgtangaat ttcttgagta ctaangagga 420

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nggagaattg agaagttcct gatttccgaa ngtttgaatt cctgaanaat gggagaggga 600

ttaattgnct ganaagggtt nnggaangaa ncaanaggtg gggagtnntg tttaannaag 660

nccaatttcc ggttaagnaa ngnatcaact aaccggngtt ttccgganga antccggatt 720

cngaattcng gnttctggcg aannnggana 750

<210> 12800
<211> 750
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-H6

<400> 12800

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gcctccgcct ccgcctcttc tccgtcgtgc atttcacttc ccacacttcc gattcagtct 240

catacccgtg ccgctaaagc cactgcttac tgtcggaaga ttgtgaggaa cgttgtgacg 300

agagctacta ctgaagttgg tgaagctcct gccactacta ccgaagctga gactactgag 360

ttacctgaaa tcgtcaagac tgctcaagaa gcttgggaga aagtggatga caagtacgct 420

attggttctc ttgcctttgc tggtgtagtg gcctttgggg ttcctgctgg gaaatgattt 480

cgggcaatcg atangcttcc attggtttcc tgggtggtcc ttgaacttgg taggcatccg 540

gttacacagg atgggnttaa gtttacnang aancttggnc ttcaaaccca gaccanggaa 600

ngnctttggt ttgagnaaag gtcaanggag cacanttcna nggnccttat taggggnaca 660

gctggaatta aaagggaggg aangaaagan gnagaagaac ctttttgnng ggcaattcan 720

gaaattggaa tgaanggana tcaaaagnat 750

<210> 12801
<211> 744
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-H7

<400> 12801

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aactacacgt tttacaagta taagtctggc tttattcatc actgccttgt ctctgacctt 180

gagcatgata caaaatacta ttacaagatt gaaagcggtg aatcttctcg agagttttgg 240

tttgttacac caccacatgt acatccagat gcttcctaca agtttggtat tataggcgat 300

atgggtcaga cattcaactc gttatccacg ttggaacatt acatggagag tggagctcag 360

gctgttttat ttcttgggag atctttctta tgctgataga tatcagtata atgacgttgg 420

tgtgagatgg gatanctggg gtcgtnttgt ggagcgtant acccgcttat caaccgtggc 480

cttggtctgc agggaatcat ggaagnaaga ttaacatgcc atacatgggg ggaggtgaca 540

cctttcaggg aattacctca gcggtacacg aacgncctac cntannctca anaagttnng 600

antccctcnt ttgggtacgc tggntagggc gttnaaccgg cncanatcna ntnntcctct 660

cnagcgaatn ncccttttgg gaaangtaaa acnncngcat tggcactggn cttnngtgaa 720

cagctnacaa gnatttnagn agtg 744

<210> 12802
<211> 757
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-G7

<400> 12802

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aactttcacg cctaagcttc gaggaagatt tttagcgaca gaaaacttct tttacacctc 180

taagttcttt gggttgggag aaaaagcgtg gctatctaat atgatttcag ccggagagag 240

attctgtgga gaagattggt caaagttgag agtaaaagac ccatcactcc atgaagagga 300

tcttcttcgg tattgtttct catctgcata tattgtgtca ttgcttcacg ataccttgg 360

cattcctctt gatgatgaaa gaatcggata tgcgaatcaa gcangagaca taccgctcga 420

ttgggcttta ggtgcattca ttcaacagac tgcaacagag acctctcaac atgcagcctc 480

cggtaatctc cattggttcn atgctccttt tcagtaantc acccnganga cgcttnacta 540

atctcaatcg ggataccgat cccttaagga cagnttttgg taaaatttgg gnaacttaag 600

ntggngaaan acggcaanct gaaaaaccga tttacgaacc ntgaagaaaa ggtccgggna 660

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aagcttcccg ggccnccncn aaatgnctta aggaatt 757

<210> 12803
<211> 719
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-F3

<400> 12803

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gaagaagaaa acgaactcaa agatctctcc actcaaaccc taaattctcc ttccaccgag 180

gctccaactc tcgattctgg atctgagaca aattccgact cagataagcc aatcgtctta 240

accagtcaga agaagaaaga aggtactgat tcatcaggga cgaagcgagc tagtgaagga 300

actagctcaa aggacatcaa aagagctaag aaagtttcag gagatgacga taacaaaaaa 360

tttcagagtt tatggactaa agaagatgag atctctctgt tacaaggtat gattgatttc 420

aaagctgaga caggtacaag tgctcatgat gatatgaatg ggtttttga tattgctaag 480

agatacataa gctttgatgt tagtaagatt caattcggtg acaagattag anggtttaaa 540

gaagaagtat ttggnggtag ggaagaagaa anggttaaac ctgggtnaag gntaaggaaa 600

tgttggggaa tnggctaaag tccaattggg ggacttgatn ggnaaggaan ttggtgggtc 660

cntggagggn aatccggnga cgtcnaantg ggtttggaga aancctttt gggtccggg 719

<210> 12804
<211> 738
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-F4

<400> 12804

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actacgacgg tgaaggcaat taatccgttt cttccgtcta ttacacgtcg tgttagttcc 120

cgtctcttcc aatcagatag tgtgctacag tttggtggga ggttgaagaa accaattagc 180

aggcctttgg acatgtcttg tgtctctaga aaaattggat ttttcggaga ttttatgtca 240

catggtgggt aattttaggc tattcgcggc ggcttctcca gcggttgaaa ctagtgtaaa 300

ggaanacaaa cttccagctg atcttaaggt cacggagact gtacaggcga attcaagtgt 360

gaaattgagt gtggaagttc cagaaattgt ctgtgaagat tgttaccanc gagtccttac 420

cgaattcatg aaactctcaa aggtgcctgg attccgtcct aaaacaagag ttccagagaa 480

tattattgtt ggttttcgtt gggaagnaan atgttctgag aagcaactgg ttgnatccat 540

ncttaaagga gaacacttcc tcaagccaan ggaatcaagt gaactggaaa ggggctttaa 600

angacncgan nacagaattg ttnagcaggt tttnccagaa nnnggngaaa gggtttatcc 660

taaccncaaa gaacccttan gntnangaag gggggttgnt tganggttnn ancnngaacc 720

tnnaattgga atnctttg 738

<210> 12805
<211> 753
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-F8

<400> 12805

gcttagaaac atagagagta gcttaatcaa gctgaagcaa gatggatcgg ttacagtggc 60

acagtgaatc aggaaccaag ggcacacttc tgagtattga atatattttt atacaacaaa 120

acatctattt agaaccaagg ggacaagtga atctaacact ttttttcttta ttgaacaatt 180

tggttcgttg tgttgtaact gttgttcatt gaaagcttcg gttcgttttc aaaaaaaaaa 240

aaaaaaaaaa aaaaaaaaaa aaaaaaaggg cggccgctct anaggatcca agcttacgta 300

cgcgtgcatg cgacgtcata gctcttctat agtgtcacct aaattcaatt cactggccgt 360

cgttttacaa cgtcgtgact gggaaaaccc tggcgttacc caacttaatc gccttgcagc 420

acatcccccc ttcgccagct gggngtaata gcgaanaggc ccgcaccgat cgcccttccc 480

aacagttgcg cagccctgaa tggcgaaatg gggacgcncc ctggtacggc gcattaancn 540

ccggcggggt tttggtgggt tacgcccaan cgtgacccgc ctaacnttgc canngccccc 600

aacgcccggc tcccctttcgc ctttcttccc cttccctttc ccgncacgtt cgccgggntt 660

tccccggttc aagccnctaa aatcgggggg cnccccttta angggttccc gnnttantgc 720

ctttanggga accncgaacc ccnaaaaaaa ttg 753

<210> 12806
<211> 621
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-F9

<400> 12806

gtanaanttt gccannnact tgtaatacga caaactatag ggcgaattgg gcccgacgtc 60

gcatgctccc ggccgccatg gcggccgcgg gaattcgatt catttctcta tattgcaagg 120

aagatgttag gaggaaagtt catggagtga ttgataagtt tgctgagcgt ggacttcgct 180

ctttggctgt tgcaagacag gtcttttcgg ttactatata tcgtgaaagt ttatgtgtcc 240

ttgtttcttt attgtgattc atatcgattt gaatggtgca ggaagttctc gagaagaaga 300

aagatgctcc tggtggccca tggcaacttg tangtctttt acctcttttt gatcctccga 360

ggcatgacag tgccgagaca atcangangg ctttaaacct ccggtgttaa tgttaagatg 420

ataaccggta agaatcataa gttaagtcct tggctctctg cacttcatat tgcntgaaac 480

taattttctc ntctgactga aaccagggga ccagcttgca atatagaaga atgaatcact 540

aagtggaant cccggncgcc ctgnangtca accaaatngg naaaantccc aaagcctttg 600

gatgccaaac cttgagttaa t 621

<210> 12807
<211> 65
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-G10

<400> 12807

taatccacca aaangttttc ttttagttcc agggtggtca ttttgtaccn ccatttccgg 60

ggnaa 65

<210> 12808
<211> 768
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-G11

<400> 12808

nnnnnnnnnn ntgattacgg tttntagtgg gncganactg ggaaaacnca agctangcat 60

ccaacgcgtt gggagctctc ccatatggtc gacctgcagg cggccgcgaa ttcactagtg 120

attgtctttа cggcgagttc tgttagcgtt aaggtttcat ttagcgcctc aaatagatcc 180

tgttcaggaa ccggatcaag gagttcctcc gccgctggac ctaccaaggc aacgctatgt 240

tctcttgctt ttgtcagcaa gatagccaga tcaatgtcga tcgtggctgg ctcgaagata 300

cctgcaagaa tgtcattgcg ctgccattct ccaaattgca gttcgcgctt agctggataa 360

cgccacggaa tgatgtcgtc gtgcacaaca atggtgactt ctacaagcgc ggagaatctc 420

gctctctcca ggggaagccg aagtttccaa aaggtcgttg atcaaagctc gccgcgttgt 480

ttcatcaagc cttacggtca ccgttaacca gcaaatcaat atcactgtgt ggcttcaggc 540

cgccatccac tgcggagccg tacaaatgta cggccaagca acgtcggttc nanatggcgc 600

ctcgatgacg ccaactacct ctgataantt gagtcgatac ttcggggaat caacggcttc 660

ccccaaagga tgtttaacnt ttgttttagg gcaactgccc tgctgcgtaa caatcgttgc 720

ngcnccataa natcaaacna tcnacccaan ggggttaann cgcntgng 768

<210> 12809
<211> 705
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-G2

<400> 12809

tcgttggttg ggttaataga agctctcttt ctctgtctgt ctttctctct cagagaaatg 60

gctcttcttc tagtttcttc ttcctcctcc tatgccctca gagtcaccat tttcttgtct 120

ttcttcttct ttctctgcaa tggcttctct taccctacta cttcttctct tttcaacacc 180

catcaccatc gtcaccactt ggccaagcac aactacaaag atgctctcac taaatcaatc 240

ctcttctttg aaggccaaag gtcagggaaa cttccttcta accagagaat gagttggaga 300

agagactctg gtctctctga tggctctgct cttcatgtgg atttggttgg aggggtacta 360

tgatgcagga gacaatatca aatttggttt cccaatggca ttcacaanca caatgctttc 420

atggagtgta aattganttc ggtgggactc atgaaatctg aantacanaa cgctaaaaat 480

agccgattcg ttggggctaa ctgaattatn ctncctcaaa ggcnacttca aaancttgaa 540

gacaattcta ggttcaaggt tggtgnatnc tnnatanaag ncnanttctt gntggggaaa 600

nganctnaa naacatngnn tactggtata gaantgtgtt ttaaaaggtt gatagagaac 660

cantcctggn nttctggntg ttngncgnnt aaaaacgccg gntng 705

<210> 12810

<211> 708
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-G3

<400> 12810

cttcccgcgc cgataagcca ggagctacga aggcctccga cgcattccag gagaagaaat 60

ctgtgtctgt gaactacgac cgtggtgagc atgaggtctc ggtcaacatc ggcgggctca 120

ggaaagctga tattccgaga cgttaccgaa ttcgggttga gaacgaccgg tttcagaagg 180

attggagtgt atcggaggtt gtggaccggc ttatggctct caatcgttgg gaagaagttg 240

atggcgttct taattcctgg gtcggccggt ttgctaggaa gaatttcccg gttcttatca 300

gggagcttag tanaagaggg tgtattgagc tttgtgtgaa tgttttcaag tggatgaaga 360

ttcagaagaa ctactgtgca aggaatgata tatacaatat gatgattagg cttcatgcta 420

ngcataattg ggttgatcag gctcgtggtc tcttctttga aatgcagaaa tgggganctgc 480

aaaccgggat gctgagacgt tcgaatgctc cntatcaatg cccaatgggc caagctggtc 540

aaatggcgct tgggcctatg aatccttaat ggatgacatt gttacgtngc ngccaantgc 600

ncccantncg ttcaacctaa aattaacctg atnaatgncn tgtgggtccn agtggnaaac 660

tgggnaaaaa ngntcnngga ntttnccagn aaantggccn nttaactg 708

<210> 12811
<211> 734
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-G4

<400> 12811

catttctcca aaatctccga gttctacaat tgtgtgatca atcaatcttc tccgatttca 60

agcttctcga tcaaaagaat catcatggga ggaggaagag ctatggcgac ggcggcgaag 120

gttgctggaa tcggagttgg taaaggagga ttcaagggat ttggatttcc tccggcgact 180

gagcagtttc gtgttaaaac cgcggcggct gcggcgtcgt ctaaaccggt ttcggcttcg 240

attacatcgg cggttcatcc ttctgttgaa gaagatggga tgattatgca gagaccggtt 300

tgggatgatt gggaatttgc tgaagaagaa ccgattccta gggttgtttt tagcaaacct 360

cctaagtctt gaagaagcta aagaagctac tgaagatctt aaagaagcaa ttaatttggt 420

gtatatgtca tctccaaagt cgtctgctgc tatggaagga tcaaatgatg gtggctctgt 480

ttccaaaatg ctctctggtt ttcaatcttc tgagaacaga gctgttgaat cagctgttcc 540

acaagttgct ccntcaaagc aatttgcttt tccaagtgag aacactgctg cgcanactgg 600

ttgttgcctt caattgcgaa ntgacccaaa aagttatggg gatgcctgtt atgggngaat 660

aanggntntc aagaaaattt cctcagacca acaaaaaccg gcngtttccc cccaaagttg 720

aaanctgana atga 734

<210> 12812
<211> 682
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-F11

<400> 12812

attacncttc tagtncnctg acactataga aaactcaagc tatgcatcca acgcgttggg 60

agctctccca tatggtcgac ctgcaggcgg ccgcgaattc actagtgatt ttagcttgag 120

cttggatcag attgtcgttt cccgccttca gtttaaactt attcgtaata tcaggatata 180

ttgtggtgta aacaaattga cgcttagaca acttaataac acattgcgga cgtttttaat 240

gtactgaatt aacgccgaat tgaattcgga tcgatcctac gtaaggatat taaagtatgt 300

attcatcatt aatataatca gtgtattcca atatgtacta cgatttccaa tgtctttatt 360

gtcgccgtat gtaatcggcg tcacaaaata atccccggtg actttctttt aatccaggat 420

gaaataatat gttattaaaa tttttgcgat ttgggtccgt tataggaatt gaagtgtgct 480

tgagctcggt cgccaacact cccatttcat aattttacat gtatttgaaa aataaaaatt 540

tatggtatca atttaaacac gtanacttgt aaagaatgga tatctcgaaa agaatctagg 600

taancnaatt nccgcggccg ccaagggcgg ccgggaanca atgcaaantt ngggccaaat 660

tnccccccaa aggagantnc ga 682

<210> 12813
<211> 727

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-B9

<400> 12813

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ttgaaatcng tatcacggcc cangtatgaa gcatcgtctt cttcttcgtc ttgttcgtcc 120

naagncaaat tacattctca gaaggagctt ccttttccan tccggcaaga ccacaccatc 180

gccgttggac ccttacgaca ctctgcancg tcgggtcgcg agatncggag atccctctgc 240

ttcgattatc aaagtgttgg atggatggct tgatcaaggg aatctggtta agacttcgga 300

gctccatagc atcatcaaga tgcttcgaaa gttcagccgt ntctctcacg ctctcnagat 360

atcagattgg atgagtgagc atagagttca tgagatctct gaangagatg ttgcgaatcg 420

gcntgatttg attgctaaag ttggtggttt gggagaagca ganaagtttt tcgaaaacta 480

ttcctaatgg nnaagganga actaccatct ctacggtgct ctccttgaac tgctangcta 540

ncaaagaang tgttgcacaa aagctgaagc aagttgtttc aaggagatga aaanaagcnt 600

gggcttcccn taaaaggttg tccttcccca caaangtgaa ancctnaatc cccnaagtcc 660

cgggactggg gaaaatacac tatgggttta aaaaagccgg ctgcnccnaa attggaagga 720

ttaaaaa 727

<210> 12814
<211> 65
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-C10

<400> 12814

tanccagccc tantctgctc cgttctaatc cgnaacgcct tccaaagtta tggtttgatt 60

atnag 65

<210> 12815
<211> 769
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-C11

<400> 12815

gnnnnnnnga cggttgtttg cncngcncta ccggtaanga aatcncgggn cgacccacgc 60

gtccgccttg tangcaatca tggcagggaa aagagaaaac tttgtgaggg tggatgattt 120

ggactctagg ttaccatcat catctgtagc cttccaacag aactacgcct ccaatttcag 180

tggacaactt catcctattc atgcaagcaa tgaaacttct agatccttca agaaaggtat 240

ccatgaaggg ttccaaaggg cttaagtcga tcggacgttc acttggtttc ggtgtttatc 300

gagcagtgtt cccagaanac cttaaagtat ctgaaaagaa gatatttgat cctcangata 360

aattcctttt gtattgcaat aaattattcg ttgcgtcatg tattctttca gtgtttgtgg 420

acccttttt cttctatctt cctgtgatta atgctgagtc caagtgcctg ggtattgaca 480

agaatactgg ctatcacagc aagtacattg cggnctttta tcgatgtgtt ttatctcgct 540

cacatggctc tccagcttat gactgcttat attgcacctt catcacgggt ctttgggcga 600

agtgaactcg tgaatgatcc tgcacagata gcaaagagat atctacaacg ttggtttaat 660

antgactttc tctcagtact tcctctccct caaaatgtan tttggagggt cctgcaaagt 720

tcaaatgggt cngatgtatt gggtacaaan cangccttgc ntttcatnt 769

<210> 12816
<211> 678
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-C12

<400> 12816

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cccacgcgtc cgggtcncaa gaagcctctt ttcacctctg cccgcttgaa gaaaggggaa 120

gttttgtact tanaaantca ttcatgcagg tatgagctct gtttcgcagg agagaagacc 180

atcanagcan tccaagcctc acaacaacaa tcatcacatg aagctatgga nacagataat 240

aataataaca agtcacagaa ccatctgaca aacggtgaca aancagattc agacancagt 300

ttaattgatg ttttccgctg gtcacgatgt aagaaacctc tcccacagaa gcttatgcgg 360

tctatcgggt ttccactccc agcagatcat atcgacgtgt tggagganaa tcttgattgg 420

gaagatgtac agtggtcaca aactggtgtt tggattgctg gaaaagagta cactcttgct 480

cgtgttcatt ttctctcccc caactaaaaa aaacctttca tgctttgctt ctatcttaca 540

aaacttttta tattttattt atggattana gactacagtt actttggcct atcttgtctt 600

gtgtacntct tccttgtaac atttatttat atatcgtcan gaaacatcct tggcacannn 660

nnaaanaaaa aagggcng 678

<210> 12817
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-C2

<400> 12817

ttggccgccg gtccggaatc aagggtcgac ccacccgtcc ggaggatnaa aaccctangg 60

tgagtgagac agagagaagc naanatggtg cagcgccttg tttaccgatc acgacacagt 120

tacgccacca aatccancca gcacaggatc gtcaaaactc caggaggtaa attgacgtac 180

cagaccacta agaagagagc tantggacct aaatgtcccg ttaccggcaa gcgtattcag 240

ggtattcctc acttgaggcc aactgagtac aagaggtcac gtttatcaag aancacgagg 300

accgtgaacc gtgcctatgg gtggggtttt gtcnggttct gcngttanag gaaanaatca 360

ttccgtgcct tccttgtgga cgagcaaaan attgngacna aagttttgan acctcanaag 420

ngcaacngaa canggttgct cccaagctna tgnanacccc nact 464

<210> 12818
<211> 580
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-C9

<400> 12818

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cgtccggctt anagagcaag gacaagatgt ggcacgaagc gagaagatcg gagaagaagg 120

ttcacgatat gatggacgct gctcggaaaa gagcacagcg gcgagctatt tacttagcta 180

aacgccgtgg agatcctatt cagtcgattc aagccgttgg ttcccgctac cgagtattcc 240

gtgatgatgg tctttaccaa gccaccgaag atcaacaggg cttgattcct tggaatggga 300

agcatgatgt tatgattgan agatttgatg gtcgtgctct tctggatttt gtgcgtnagg 360

ctggttcgag aagtntacgt ccacataaga anacggaaga ggaataagan cttgaagagt 420

ttgttaattt tgagcgttat cgggatttga ttaagcatcg gcgtncaaga tgtcgtanct 480

ttttaactac antttcctcc gacaaaattg tttccttttt ccatcnttga atccanntta 540

aggggaaaan acnntccttt aatcnaaaat tcnaattctg 580

<210> 12819
<211> 805
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-D10

<400> 12819

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gactcagcgt atgaggatgg aggtcagttt ccaattctag ttagtaacag gaagaaacga 180

agaaatgatg atatgggtag tggaacaaac catctaaaga gtaatacttt tatcaagaga 240

gaggcaaaca tgttaggaaa aaatccatgg cctgagaaag atagtggtgg ctcttcggtt 300

tctcgtgata cgggaacagg aaaagatgtt caggatatga cattggagga tacaaatact 360

tcagatcatg gtttcaatgg tggccacgta gatgtggttg aaaatttctc cactggggat 420

cccatgttgt gtgacacttc cgctgcaacg aatgatggcg tatataatta ntccctcaac 480

agcattccgg atgctgaaaa tgatcttanc tttttccgac aatgggagat taangaaaaa 540

aaatgatcnc ttccnatggc tgggggtgac cataaggaaa tttttgangg atgttggaac 600

aaacatgcct tanggaattt gtgattccaa cattccggct tgggatagtc cttaataaat 660

gaanggtgac cttangggtg gttccccttc cngcccaacc caaanttagg gagaacagca 720

aggcnccaat gacanatgat tcccaancca gacaaaatgt tgggaaatcc aangaaccgc 780

tattttncag gtttaaanac ttttt 805

<210> 12820
<211> 693
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-D11

<400> 12820

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ctccggttgg tactgataac ggnaaaactc caaggcttgg agtgattcct aagtacgccg 120

gagatgagtc ggagatgaaa tggttcgaag ttcctggatt caatatcatt cacgctatta 180

atgcttggga tgaagatgat ggaaacagcg tcnttttgat tgcaccnaat attatgtcga 240

ttgaacatac tttngagagg atggatctgg ttcatgcttt ggtggacaan gtgaagatcg 300

atctcgtcac cgggattgtg agacgtcatc cgatctcagc gaggaatctc gatttcgctg 360

tgattaatcc ggcgtttctc gggagatgta ncangtacgt ttacgcggcg attggagatt 420

cgatgccnaa gatctccggt gtggtgaanc ttgatgtgtc taaaggagat cgggatgatt 480

gtacngtggc ccgtanaatg tacggttcan gttgttacng cgganaaccg tttttcgtaa 540

cctanggatc ctggtaatcc cggaggccgg nngaaggatg atgggttang ttggtgacnt 600

tatgttcacg atgaaattga ctgggngaat ccaagttcct ggtgaatgga cgctaaatcn 660

ccggancttg aaatcctccc cgccnttaag gtt 693

<210> 12821
<211> 623
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-D12

<400> 12821

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tccgttccgt tcactacttg tctcaatttc gaaccaattg gatcgcatct tttaggggct 120

caaacctttg gtgacgagga ccangannaa gattgtcgca tctgatttat atcggaaaaa 180

ggtctcttgc cggaaaggac acgatccgct ttcataangg agagattttg acagattcag 240

tagacgccat ggatgtgcct atctcntggg atgctttacg gaaacangct agatcgattg 300

aagctcagct tgacgagcag atgcattcat ntccgtacac ttgtttccac aaacgcttta 360

tcaaaatcaa gatggtaatg agagtgatct tgaanctggg attgacttac ttcttangca 420

actgcaacaa gttaatgctc anatgcaagc atgggtatcc tccggtgggt caagaaatgg 480

tcncccatac tttaactcca catcaagaga ttcttcaaga tctgacacan gagtttatcg 540

anacggntcc aantcttana gcaagacaan gagcatgcnt cacttcttga ggacnttagg 600

gnaatttggt tcggnctana tta 623

<210> 12822
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-E1

<400> 12822

aaaaaacact tcttcttctt cttcaacaac aacaaaaccc aatttcgcgg ctaaatcaat 60

cgcttcttct actggtcttg gaattgagag aagagaccag tttcgctgga tctttgaatg 120

aagctggatt tggattaagt tcaggtgtaa atttgttgga agatggggtc agatcaatgt 180

ttttcgagat tgaattcact tgagattaaa gccctaattt atcagaaaat tgggcatcag 240

agagctgaca cttacttcga ccagctcgga aaattcctta cctcgaggat aagcaagtcc 300

gagttcgata agctatgtag caagacggtt ggtanagaga acatttctct acacaaccgt 360

cttgtacgtt cgattctgaa gaatgcaagt gttgcctaag tctccaacgc cgaggtatcc 420

ggaagaaatc 430

<210> 12823
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-B7

<400> 12823

ntttctcgg ccaagtttc tctagctcag gtgtttgatg tgaatttttt gagggagggg 60

aatgagttca atgagcagaa gcagaagtcg aagtagaagt cgtagtcggg atcggtttcg 120

tagtcggagt ccgagagaca ggagaatgag atctgaacga gtttcttacc atgatgctcc 180

ttctagaagg gagagggagc cacgtcgtgc cttcagccaa ggaaatctct gcaacaactg 240

caagcgacct ggtcactttg caagagactg ttctaatgtt tccgtctgta acaactgtgg 300

tcttccaggg cacattgcag cagaatgcac tgcggnatca cgttgttgga actgtagaga 360

accgggccac gtagcctcaa actggttcaa acgaaggaat ctgccactcc tgtggtaaat 420

ctggacatcg aaccananac tgctctaatt cggg 454

<210> 12824
<211> 331
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-G7

<400> 12824

aattccctta actctatctc taggtgactt aagagtaaaa aatggtagag gcagaggttg 60

aagtagatgt ggaaatcaaa tctacggctg ataagttttt catgttctct agaagatcac 120

aacatgcctc caaagccact cgctatgtac agggatgtga tctgctcgaa ggcgagtggg 180

gcgaanttgg aagcatactc ttgtggaaat tanctgttga tggagagcca annntgtcan 240

aggatangat tgagngccan tnanatcaag atgaagtatg atccaggtnc anggtgttaa 300

gagggaccgc gncaagngaa gagtcnncna g 331

<210> 12825
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-053-Q1-E1-G9

<400> 12825

ggatcaatga atagaaactt aggtacaaat gtagacaacg tgtatcactt gcactaactg 60

gagatccatg gaatctccag ctagaaatgg acgaagcttt tattcattga tccctctaga 120

agataacgat ctctctgtgt agaagaataa aacatttgct tatatcctca atgcctgtag 180

tgttgttctc ttatgttcca ttcttaggaa gaggatctac taaatccgat ccagccttag 240

cagcagcagc tgctttatcc tcttcataag ctgcaacatg aactccaaga gccgcacggc 300

ctgacggatc aagattcttt gaccaagttg catcccattc tacagctttc gcggtactgc 360

aagctatact tggacctcct ggtacagtcg ctctagcagc actcttcggg aagaacttct 420

cgaagatggt tct 433

<210> 12826
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-053-Q1-E1-H11

<400> 12826

atgaagagct tattccacga agacttttga taccgcaggt tagtcagctt ggatcggcag 60

ctcagaaata tcaacaagct gctcaaaatg caacaacaga ttctgctctt ccggagctac 120

aaaataattg caatatgttt gttgcatctg ctagacaatt ggcaaaggcc ctggaagtac 180

cacttgtgaa tgatttggga tacacaaaga gatatgttcg gtgtttgcag atctcagagg 240

tggtaaatag tatgaaggac ctgatagatt atagcagaga aacacgaaca ggaccaatcg 300

agagtttagc caagtttcct cggagaacag gcccttcatc tgcactgcct ggtccttctc 360

ctcagcaagc cagcgaccag cttaggcagc agcagcaaca acaacagcag caagcagcaa 420

cagcaacaac aa 432

<210> 12827
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-H5

<400> 12827

tcttcctcac tctcttatta ggttcagttc cttttcgatt cttcgtgtgg atcgctgtcg 60

gtagatttcc gatttcttta ggttctgctc gaaatcgtgg tttagtgttt attatcatcg 120

attcagaaaa cggtgggtaa acttgtagcg gaagatgagg cggtggccgg tggatcaccg 180

gcggcgaggt agaaggagat tgtcgagttg gatatggttt ctccttggtt ctttctctgt 240

cgctggttta gttctcttca tcgttcagca ttatcaccat caacaagatc catcccagct 300

tttacttgag agagacacga gaaccgaaat ggtatctccn ccccatttaa acntcacngg 360

agaagtcaca aagtgcttcc tccttccccn aggcagttta gnaaaagcaa aatgana 417

<210> 12828
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-H6

<400> 12828

gagaagatcg agaaaactgt gatagagata ctcagtgaat cggatatgaa agagataaca 60

gagttcaagg ttcgtaaact cgcttcggag aaactcgcaa tcgatctctc ggagaaatct 120

cacaaagcat ttgtacgaag cgtcgtggag aaattcctcg acgaagagag agcgagagaa 180

tatgaaaact cacaagtgaa taaggaagaa gaagatggag ataaggattg tggtaaagga 240

aacaaagagt ttgatgatga cggcgatctt atcatttgca ngttatcgga taagagaaga 300

gtgacgattc acgaatttaa agggaagagt ttggtttcta tcagagaagt attacangaa 360

aagatgggca aaagaacttc cctacttcta aaagggaata agcctttaac angatggaac 420

aatgggtcaa accttcaang aaaaaacatg ccg 453

<210> 12829
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-H7

<400> 12829

gcagccaaaa gcaagggaca aatccaaaga gaacttcttg acttaaaaag aaaggcactt 60

gccttcaagc gtcaagggaa aactggagat gctgatgaat tatacagtan ggccantgtt 120

ttgggaggca cagctagcan aactggcaac ccccaagatg gagatgaaag gctcagcttc 180

tgcaattaaa cctgaaaact acatggatgt tgatttatta nttggatcgc aaattngngg 240

tcaaagcnat cagatctgcc tantgttttc tcatgntcct caacgatagt ttatnacttg 300

gttagggaga actttatctc cncctggcta natccgggtt cctcngggcg ttgtttccca 360

aacctggcca nncagcaanc aagtnatgat tggantngct ggnctggntg 410

<210> 12830
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-H8

<400> 12830

ttgtttttgc agaaagtctc tcatctgaac tcagaaaatc tccgagttcg tatatcttct 60

ccgtttgagc aatggcgttg gtcatgcaca catacaangg aaacaaaggt gccaataagg 120

cacttattgc tgcanagtat gcgggtgtga agatcgagga gtccgcagac tttcagatgg 180

gcgtcactaa caagtcacct gagttcctta anatgaaccc tattggaaag gttcctgtgc 240

ttgagactcc tgaaggtccc atatttgaga gcaatgccat tgcccgatat gtgagncgta 300

agaatggtga caactcnttg aaatggntcc ncccttaatg natncgctca caattgagca 360

atgggattcg agttctccnt cantgggaga attgaatgct aacatgttng aaaatgggtt 420

tgnccccaag naatggggcn anttgccccc tt 452

<210> 12831
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-H9

<400> 12831

cnctagtttt ttaaaagcag gagattttcc ttttcccaga aaagaaattt cccaaatcaa 60

agtttcgagc tttcacttct cgacttgcaa attctcgtcc tttttactga attcgatctg 120

ggtttttgtt tttgattagt aaaataacaa aaaaaaaaaa aaggatttat cagaaatggc 180

tgcgagcgat gaagttaatc ttattgagag cagaacagtg gttcctctca atacatgggt 240

tttaatatcc aacttcaaag tagcctacaa tatccttcgt cgccctgatg gaacctttaa 300

ccgacactta gctgagtatc tagaccgtaa agtcactgca aacgccaatc cggttgatgg 360

ggttttctcg ttcgatgtct tgattgatcg caggatcaat cttctaagca gagtctatag 420

accagcttat gcag 434

<210> 12832
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-A1

<400> 12832

attcaagggt aaagaagaag atgagtggtg aagttgtttt agctgctaga gtttatcgtg 60

accttctcaa agcagtggtg aaacatgttg gtaaagaaga tcacaagtct catttcttag 120

actttgttaa gcaagaattt cgaaagaatg caaactcaga gaaaataaac cttgctcgaa 180

attacacata tcttctcaat agcattcact ctcacaagga tctgctgttc tcatacaaca 240

ttgcggttga tagaactgaa gaaatgaaac gagtgcttaa taaatctgca gccagtgtag 300

gggcttcgtc ctcctgaagt ttacgancct tggtnatgca ttcantcctc cttggccttc 360

cnggggatga atcnntatga attcctcaat tctgtgggcc aggccttggn taatttttga 420

ntanaagaag 430

<210> 12833
<211> 704
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-A11

<400> 12833

gcctaatttc cccaaatttg gtaatacgat ttcgtcaatt tacttcgcaa tcgattcaat 60

tcaattatgt ctctattact ggaagagatc attagatcag tagaggcttt gctgaagctc 120

agaaatcgga atcaggaacc ctatgttgac ccgaatctaa acccggttct tctagttcca 180

ggaatcgctg gatcaattct aaacgccgtt gatcatgaga acgggaacga agaacgtgtt 240

tgggttagga tctttggtgc tgatcatgag tttcgaacaa agatgtggtc tcgatttgat 300

ccttcaactg gtaaaacgat atctcttgat ccaaaaacga gtattgttgt tcctcaagac 360

agagctgggc tacatgcaat tgatgtctta gaccctgata tgattgttgg ccgtgagtcn 420

gtgtactaat tccatgagat gattgttgag atgatcggat ggggatttga agaanggaaa 480

acccntttg gntttggtaa ganttccgcc aaagcaacag actgcaggaa acgtttggnc 540

aatttgctaa aaagttggaa actgtttana aagcctcang gagaagaaag aagattaatg 600

gttattaagt ccattccaat gggaaggact aattgggtga aatgtttcaa gggtccgcat 660

aagggatana atcnaaaaag ttangttcag aaattggatt gcca 704

<210> 12834
<211> 146
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-A12

<400> 12834

atgnaacaga gccaagcatg aaagggaaat cnaacatnag taacacagag acatcttcag 60

aaattcagaa acaagattac atcatgttag ggctaaacaa ggtgnagcca ccgacagaca 120

tggcttanca tatagggcnt gataga 146

<210> 12835
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-A7

<400> 12835

aaaaagaaca tggatttgca ttcttgtcna aactcatact ttcttttgct cctcctctgt 60

cttcttaata ttaccaccat taactcaacg aagccattag aacaagaaac agtgcttttt 120

ggcggcaact ttccggcttt ttatgttatt ggagattcat tggttgattc aggaaacaat 180

aatcatctta caacgatggt caaatcgaat tttccacctt atggttcgga ctttgaaggt 240

ggcaaancca ccggccgttt cagcaatggc aaaacaattg ctgattacat tgctatctac 300

taaggtcttc ctttggttcc tgcttaattg ggattatctc aagaaganaa gaataatatc 360

tcaaccgggt antaactacg cttctgctgg ctgtgggatt cctcctcaag acaaggaagg 420

naaataggga acatgtcncn cgttaagtgg tccaagt 457

<210> 12836
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-A8

<400> 12836

gcanggaatg gcganagcan cagcaccagc agtganttca tggncangat caggcattgt 60

gtccaaatcc ggacaaaccc agaagaaatc tgagatgaaa gtttcttaca taactggnct 120

taactcatat ggtggtctca aggcacagaa caacanggtt gtctcaatgg gatcaccact 180

ctgcacagaa cagtgttttg ctaacgttgt gatgtctctc aaaggaagaa gaggtaatgg 240

aggagcctta tccaccacgt gtaacgctgt cggngagatt ttcatgattg cagcaatcan 300

gnacgctctn actcctgntg gtgttgcagt tggnttcgtc ntcttccgaa tcgaaacttc 360

tggttgaaga anctgannca gagtanatag agta 394

<210> 12837
<211> 83
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-B1

<400> 12837

tttgtangaa cattgtgttg gcaggagtag gtagtgtgac tctgttggat gatcgattgg 60

ttacaangga antcttcanc gca 83

<210> 12838
<211> 310
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-B11

<400> 12838

cancttcgtc atcatcctct gcctcttaca accaaattct ctgtcttctc aacgattcag 60

acgaacaatg ccancacatc antganctaa cttccttcat aaacgctctt cancaagana 120

tatcatcgga tgaccaatac gccgtcgttt cagaaacctc caacgtcgaa gactcgtttt 180

cttcatgtgt ttcctcaaag gaanaagaag tggaanatga cagctnggag aaagtgatgc 240

agcatcnttt ggaagcttcc gatgacgaac ttgggattcc taacacagat tttggcgang 300

agtnatntga 310

<210> 12839
<211> 294
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-B3

<400> 12839

canagggtng accnacccgt cngcccaagc ntccgcatct tcttcgtgaa ctttttgttt 60

tctccttttt ttgattttca ccgccggaga tttttgtatt tttccgatta ttcgccggcg 120

gtttagagat aatgaanggg aggatatcan aaataggaag ctatgcaatc tcgtcttcca 180

ttagagatca gcatcagcaa ncttgtattt cttgtactac tttcaatatc cttgctccga 240

tctagaaang tctctctcac aangatnaaa gtcttcntga aagtgataac ngag 294

<210> 12840
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-G5

<400> 12840

tccctgatcg tgtcgaaatc ctgtgtttaa ctggaaccga gtcttttgat gtaaaaggtc 60

aacaactcat aaagacactt caaaaaggtt ttccgacaaa nttcttatct tctcagatgt 120

cttccaaatt cgggttagcg ggtggaatac cggagcgacg tgttcgaccc atctgggatg 180

caatcgattc tcgtcagttc aagaatgctc naaagcttgt cacntcgctt ctcgctaagt 240

accctaaatc tccttatgct ttaccgctna aagctctgat tcatgagaga atgggggaaa 300

acagatgang cactctctgt ttggtttggg atgctaaaag agctttttgt nccanagatg 360

anttaacgnn gnnnggattg atcntanncc gtangtacat tgncaaattt gtattgcaat 420

agaacgtgga ttnccg 436

<210> 12841
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-D12

<400> 12841

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ccatgcaagc tcttcaatct tcatctctcc gtgcttctcc tccaaaccca cttcgcttac 120

catcaaatcg tcaatcacat cagctaatta ccaatgcgag acctttgcga aganaacanc 180

gttccttcat ctccgcatca gcatccantg tctccgctcc taaacgcgaa acagatnnga 240

agaaacgagt tgtcattact ggtatgggtc tcgtctctgt gtttggtaac gatgttgatg 300

cttacnacga gaaattgttg tctggtgaga gtggaancag gtttgattga ttngttncga 360

tgcttccaag ttncgggang cgattcngtg gtnangattc gtgggttgag ctctgaaggn 420

taaactg 427

<210> 12842
<211> 315
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-D2

<400> 12842

cggcaagaac tcgantgaaa aaattgtatc caagcttcgt gaaaggagtc tctctgtatt 60

tagtggcgtt ttgttctgtt gttatttctg aaatattgaa gcttttgatt tgggtttcaa 120

gagagcagng atgtgtagtt tgtcggcgat tatgttgtta ccaacgaagc tganaccagc 180

ttattcagac aaacngagta acagtagcag cagcagctca ctcntcgtca acaatngang 240

atccangaan aagnaccaat cganggttcc ccgttgcaag gttgtttggg accggcgatt 300

ttcgaaanca tccaa 315

<210> 12843
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-D5

<400> 12843

aaacccttтc gacgacgagt gaagaagaaa gcgagacgaa gaagcaaaga tgttcagaaa 60

ccaatacgac acagatgtta cgacatggag tccaacaggt cgtttattcc aagtggaata 120

cgccatggaa gcagtgaanc aaggatctgc agcaattgga ctcagatctc gttctcatgt 180

cgttctcgct tgtgttaaca aagctcaatc ggagctttct tcgcatcaga ggaagatctt 240

taaagtcgat gancatancg gtgttgcaan cgctggtctc anagccgacn gtcngtgtag 300

tgtctcggta natganatcg gantcgatta gngantcttt ttactnnnca ngtcgcctcn 360

tcnggttngg gtcggcccct nggcnnaa 388

<210> 12844
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-D8

<400> 12844

tttcagaccg aaacctaaat aatattgagt aagtttattc gaagaagaga tgaagagaca 60

aagagcaatc gagttagatc gagtgaagaa gacaatgttg aacatagatt gggacgatgc 120

tttgggcgat gaggaagttc ccgagctcga gatcatcgct actgacaaaa ttccgccgcg 180

tgaacctact ctttccggct atgaacccgc cgtctctgtg cgatccctca gggataacga 240

actcgacgat natctgaagc gtcagagatc acttcttact cgtctcggtg ataagtttgg 300

cagacaaagg gcgaagaaaa tccgnaacag atccggagan cctcgagtta cgagaagcan 360

ccnaaggatg tttccaaaca accgggncca aattggatgc agacaaacgg ntgtcagatt 420

ccccgaaaaa accaaaa 437

<210> 12845
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-053-Q1-E1-E11

<400> 12845

aaaagtacag ttcccgcatt gttcagattc tctaagattc attcatcaat ctgacttttc 60

ccgggaaaat tcactgtctc tgagtccaaa cccgaatcca gcgatgatgt cgaacttggt 120

agagccatcg tggcgccttc tggcagcgag cggcggagat acggttaagc ttttcgacgt 180

ttctgccgat tccggcgatc cctgcgtttt gagctatact ccgtcacctg gttgtgctgt 240

caactccgtc aagtggaatc atacgaattt agtggtggcc agtacgggag aagataagaa 300

gatatccctg tggcggaaaa atgggcagag tttaggaaca gttccagtta ctgggaagga 360

cggtggtgat agtgctgagg aatgtttatc ggctattagc ttcagcaaaa aaggctccag 420

gtacatttgt tc 432

<210> 12846
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-E2

<400> 12846

ggctcagtat atcccgatgc ttgagtacta tagcggcggg ttaccgatgg cttgcacgat 60

gtatgcatcg tccgagagtt actttgggat caacttgaaa ccaatgtgta aaccttctga 120

ggtttcttat accattatgc caaacatggc atacttcgag tttctccctc atcatgaagt 180

cccaaccgaa aaatccgaac ttgtggagct agctgatgtc gaggtcggga aagagtacga 240

gcttgtgatc acaacctatg ctgggcttaa ccgttataga gttggtgata ttcttcaggt 300

gactgggatt ctacaattcc cgctccacag ttcaaagttt gtgcggaagg aagaacgttt 360

tgcttancat tgagtcggat aaaacngatg aagcctgagc 400

<210> 12847

<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-E4

<400> 12847

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aggtggtcgt ggaggagaag aatgggacga tggtggtgct tacgaaaacg tcaagaaagt 120

gtatgttggt caaggtgatt ctggtgttgt ttacgtcaag tttgattacg agaaagatgg 180

aaaaatcgta tcacacgaac atgggaagca gacactactt ggaacagagg agtttgtggt 240

tgattcagaa gatacataac atcagtgaaa atttactacg agaaagctcc tttggatnaa 300

ccgatagaga ttgtaangnt ccaatcctta angacattca angggggaaaa cttctcaacc 360

ctttgggact aanctctggg agaaagaaac tgaanctagg aaggtgggca aaatccgttt 420

g 421

<210> 12848
<211> 245
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-E6

<400> 12848

caaatataan gctgaaacca ngaaagcncc cnatttgacn ggcctttcct taaagttgtt 60

cgttaatttg cttgaagcac cacttatagg ctctttgatt gttgattatt tgaagaaaga 120

caatggcatg acaaagattt ttcgcaacac anttatacca gaagagccca tgtttagacc 180

ggagttccca tcncaanaac cggagcattg atgttgtcan tgaatggcna aagatgaaan 240

gtccg 245

<210> 12849
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-F12

<400> 12849

tgctttctta ttttgtcttc tcacaatctg ttcctatcaa tcacacagat aataatcctc 60

agcttctctc tcgctggatt tcaacattct tccactcatc gcttctcttt accaaatcaa 120

actcannact tcactcaact cttatcggac cttccaaact atatccttca atggatctat 180

ggactcttca attaaaagac gtcacgatcc gaaaccctat cttctcatca tcgatccctg 240

agaaatcatc gtcgttttct aggaaacttt gtgaattgga gtttaggttt ctcaatcgta 300

aggtttctgc ttctccgtat cgttccttgg ttgttcgaag ctacctcgan gaagagtaac 360

gacgattctt cttcgcctgg agatgnttct caggaaaaca aaccttccaa cgggcaacna 420

gtccggcgat 430

<210> 12850
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-F2

<400> 12850

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gtcatttttgt cacagcaaca tgaatatgcc gctgttggat attcaaccac gaacgttgca 180

gtttgcagtt gacctgaaga agcaaacttc ctgcgtggta cagctaacca atactaccca 240

tcattatgtt gcatttaagg ttaaaaccac atcaccaaag aagtactgtg ttcgtccaaa 300

tgttggtgtt gttgcaccta aatcaacctg tgaattcact gtcattatgc aagcttttta 360

aaggaaccac ctccagatat ggtttgcaaa agacaaattc ttaaanccag agg 413

<210> 12851
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-G1

<400> 12851

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ttaggcatct tagcttctcg aacaattcga ccagcttcac gtcttcttca atctcaaacc 120

tccaatttct tcctccgcac aatcgtctca aaaccagagc tccaatctcc tgaatccgct 180

gctgtctctg agcctgagcc gccgacacag attctccctc ctagaaaccc tgtaggtgga 240

gcacgcgtcc acttctcgaa tcctgaagat gcgatcgagg tctttgtcga tggttacgcg 300

gtcaaagtcc ctaaaggatt cactgttctt caggcttgtg aggtcgctgg agttgatatc 360

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tgaggttgag aaaatctcct a 441

<210> 12852
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-G11

<400> 12852

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gctgaccgat acccgaagtc aattagtgac gtcgttgaag aagaacctac cgatggaggt 120

cgtggtgacc ttattcctgt tgatatcacc agacctaacc ctaacggctt cgaatttgat 180

aatttgtatc tcgatatgaa tggtatcatt catccttgtt tccatcctga aggaaagcct 240

gcacctgcca cgtacgatga tgtatttaaa tcaatgtttg agtacattga ccatcttttt 300

actttantgc gtccgangaa gattctttat ttggctatag attgagttgc gccgagagca 360

aagatgaatc agcagcgttc tcgacgtttc agagctgcat tatgacgcag cacantgctg 420

aagctgatga g 431

<210> 12853
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-G12

<400> 12853

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tctctgcaat ctctcttcct cccacgagtt tctcagcttt tctcggatca tctaattaag 180

agaggagatc ttgtctcacg gtgggattga tttttctctt cacgaagatc gtgttccagg 240

caattaactg cagaaaatgg tgatgtgggt ctttggctat ggctctcttg tgtggaaccc 300

aggatttcac tacgatgaga aagtgttagg tttcatcnan ggatataaac gtgtctttga 360

tcttgcttgc attgatcata naggtacacc anaacaccct gnaaagaact tgnaccctcg 420

agaaagctgg 430

<210> 12854
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-053-Q1-E1-G2

<400> 12854

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aaagagaaag aaaagaactc gagtgcaaaa agcttctctc ttccttccca tggggtgcat 120

ttgaactaat ctcctccttg aaatcgcttg attgattgtt ataaatcgat taatcgattc 180

aaaccgttgg atattattcc aaaacaaccc aaaaagagaa tcccatggga agttgtgttt 240

cgtcgccatt gaaaggctct ccttttggaa agagaccggt aagaaggcga cacagtagta 300

atagcagaac atcctctgtt cctcgtttcg attcttcaac taatctttcc cggagattga 360

ttttccaagc caccaagccg cgttctcccc gaagcctatc ggtgatggaa ttcacctcaa 420

agtatgattt g 431

<210> 12855
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-G4

<400> 12855

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tgatggagtg gatgttggat ggtcaagatt gtcagatatg aatgttcacg agggaaagct 120

tcttggttgc tcatacaatc agagttgtgt aggcgtgtgg gttgtagatc tctcgcgtac 180

tgagccatgt atggctggag acactgcgca atcaaatggt catccagaga aacgatcttg 240

ctcaggaaga gatccagtag ttctcaatga taataactca aagacagttc tcgggaagct 300

gtccgtttcc caaaatgtag atcctttatt gaaggaaaca aagtctctan gaagattatc 360

tgtttctcan aactctgatt cttcgacaaa agaaacaaag tccaattgga aaggtcatca 420

acatcaa 427

<210> 12856
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-053-Q1-E1-C9

<400> 12856

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aggatacttg aaagagcaaa agggaaggct ttacatcatc agaagatgtg tggtcatgct 180

catttgttgg catgactaat ttacaactta tatgtgttat atatacatgc atatgcacat 240

gcatattata gacaatatct acgttgtact acaacggttt gattgaagaa agggatcgga 300

tcttcgtggt tgtggcgatt tgtgatgtga gcggagttcg caagatagag atataagggc 360

ttccaaccat tcatatcatg tatatgagtt tttactcgta tatgagttaa gataataatt 420

tttgagttag tat 433

<210> 12857
<211> 324
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-052-Q1-E1-A5

<400> 12857

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gacaactcgg gtgctaggat gccacctctt tgtaaccatt gaagaactct tgagctcaaa 120

aatcttctac ttaagcagga tcatggcggc cttcttcctt gggccataat gtgttgtttt 180

ggataaagaa gtgctacttt ttgatttttc ttcatttgtt tttctatata gacctttttt 240

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tttaaaaaaa aaaaaaaagg gcgg 324

<210> 12858
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-A7

<400> 12858

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ttctctccaa ctttggcctg ataggaaagt gcaacagatt acaaactttc ctcatccgta 120

tccgcaattg gcttcgttac agaaagagat gatcaggtat caacggaaag acggggttca 180

acttactgca acactatacc taccaccagg ctatgatcca tcaaaagacg gtcctcttcc 240

ttgtctgttt tggtcttatc ctggtgaatt caagagtaaa gatgctgctg gtcaagtccg 300

tggctcgcca aatgaatttg caggcattgg atcaacttct gcccttcttt ggcttgccta 360

gaaggtttgc tatattatct ggacctacta tncctataat tggtgaaggt gatnaagnag 420

gctaatgata ggtatgta 438

<210> 12859
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-A9

<400> 12859

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ggcatcaaaa aaagcaagaa aaccaaaccg agccgaaaag aaantcacaa gaagctgttt 120

caagaaacaa gttcctcaac acaacaacat caacacaagt ataactctcg atcaaacatc 180

tacatctact antgtctcta catgttcttc ttcatcaacg antttgtctt ctcctctaag 240

acacaatcta ctctgttccc tctccatccc cagcagcggt gctgacgtca ccaggcggtt 300

gttgtacccc gaaagccaan gaagtctagg ataccggaga tggctgacgg tgtccaccgg 360

ngcccaanga anccgaaggg nttccgaaag aaccgtgntg ttgnnaccng agaacngatn 420

gttntctntn ccccgcccgg agatagagcn cttcttnctg cacccncatt g 471

<210> 12860
<211> 533
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-B1

<400> 12860

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gtccgagatc atgagtgatc cttttgtggg ttctcttaca tttgtgaggg tttactcagg 120

gaaaatctca gctggttctt acgtgttgaa tgctaacaaa ggaaagaagg agagaatcgg 180

aagactcttg gaaatgcacg caaacagcag agaagatgtt aaagtggctt tgacaggtga 240

cattatcgct cttgcgggtc tcaaagatac aatcactggt gaaaccttga gtgatccaga 300

aaaccccgtt gttcttgaac gaatggactt ccctgatccc gtcatcaagg tagcgattga 360

gccaaaaaca aaaagcagac atcgacaaaa tggcnacagg ggttgatnaa gcctcgcctc 420

aagaaaaacc ctcctttcaa ttttccccgt gattaaagaa gatgaaacca aaaccgtcaa 480

ttnaaaggaa tgggaaaaac ntccatcccc aagaattaac cgtttgaaca gna 533

<210> 12861
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-B10

<400> 12861

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cagaagtggc atacaaggca gtcaagcata gtgcagcatt ggtggctgct tgtatctcca 120

naatcgagca ttctacttgg aatgaaagta atcatgggaa agttccatcg atatggtatt 180

cgaatcctcc ttttagggtc catcatgaag ccaaacaaac cattgagcta gaatggaata 240

atgaatgcga gggaactggc tctaacctca tatcactcgg tgtaagatat canccagatg 300

gaagctatct cattgangaa ggcaatgatt ctccaagttt aaaactcaga gtaacacgaa 360

caggaaagtg cgattttaga gttgaagccg gcggattgag catgaatgtt agtcnaactg 420

cgtacttga 429

<210> 12862
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-B3

<400> 12862

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gtccgctcgt tttggtgaga aaacgatgac cgatggattt cgctataatg gtttctctgg 120

aatagcgtac ccgttttggc tctcatctcc accaccgcct acacctccac atcatccagc 180

ttctgcgccg ccgtttcaac aaagcaatcc ggttgaatcc tatgatccag ccaaagaagt 240

gtttgatccg atgatgttgt atcatgactc ttatcaacga tcgccggcta attggtcaaa 300

taacccatcg tatcgtgaaa attctcgctc tcagactcct tcttcatcgt tttatgctga 360

caacactcaa catggaaata gtggtcctcg angtgaagat tcctcctaaa aaagatatgt 420

tatcacgagt tgatttaccc tcaagggaat cacctctgat ttgtgtcact cctccactag 480

aattccagag agcacnttga 500

<210> 12863
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-B5

<400> 12863

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atgtcatttt ctcctcctcc ttctgatcac tgtcttctct gccgcgttgg atggtgtttc 180

ttccgagaca gacgtcggag ggtttgacta cggtgaagca ttgtctaaaa gcttactcta 240

ctttgaagct cagagatcag gaagacttcc gtacaaccag cgcgtgactt ggcgtgatca 300

ctctggtctc accgatggtc ttgaacaagg ggttgattag tgggagggat atcacgacgc 360

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ttgtataaag 430

<210> 12864
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-B7

<400> 12864

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ccaagaagat attttctcag cttggtttct cttatatcct tctgggtttc gcnaaactgc 180

aagcaaaatt gtctcttttt acgatttgcg gcggcgttag ggtttcgttt agattttgtg 240

attcgtgagt gtgttcaagc tttgggagga agcaaaaatg gtgaggaaac atggttggca 300

acttcctgct cacaanattc aagtggttgc cnantaacng gtgttcctgg cttaactgga 360

agttgtaagc aataatantg cgntttgnta cggccccccc ttttggtngg ggaaggganc 420

ncantccggg ggaagntntg natgnatnct ccgggtgntt ana 463

<210> 12865
<211> 53
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-B9

<400> 12865

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<210> 12866
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-C2

<400> 12866

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gcgtccgctg gcnccatcnc aaagtgcttc gttctggtac agcgaccatg gcagtttttg 120

ttcttgtgat gattttgttg gccatggctg gtcactcaag tgggacatgg tgtgtatgca 180

aagaagggtt aagcgaggca atgctgcaga agacattgga ctacgcatgt ggtgcaggag 240

ctgattgtgg acccattcac cagaccgggc cttgctttaa ccctaacacc gtcaagtctc 300

actgctccta cgccgtcaac agcttctttc agaagaaagg tcagtctctg ggcacttgtg 360

actttgctgg cacagccacc ttctcagcct ctgatcccag ctacactact tgtcctttcc 420

ctgcaagtgc cagtggaagt gggacaacga ctccagtgac gacaacacct tcgacaagag 480

tccctacanc aactaataca agaccc 506

<210> 12867
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-C3

<400> 12867

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gacaaacgga gtaacagtag cagcagcagc tcactcttct tcaacaatag aagatccaag 180

aagaagaacc aatcgattgt tcccgttgca aggttgtttg gaccggcgat tttcnaatca 240

tccanattga aagtactctt cttaggggtt gatgagaaga agcatccttc aacgctccct 300

aggacttaca cactcactca cagtgacatt acagctaaac taaccttagc tatttcccaa 360

tccntaaacc actctcagtt gccaaggatg ggcaaataag gctantaccg ggatgaagtt 420

gtggcanaat ggaagaaagt nnaanggaa 449

<210> 12868
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-052-Q1-E1-C5

<400> 12868

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attaataaaa aaaaataaaa agaagcagaa aagagataat gcagggtggt aggcttttga 120

cggtgttggt gtgcctcgcc tccacggtgg cgttggtgag cgccggtgac ccttacttct 180

actacacgtg gaacgtaacc tacggaaccg ccgcgcctct cggaattcct caacaggtga 240

ttctcatcaa cggacagttc cctggtccta acctaaactc aacctccaac aacaatgtcg 300

tcatcaatgt cttcaacaac ctcgacgagc ctttcctctt gacctggagt ggactccagc 360

acaggaagaa ctcatgggca agatggtgtt gactgggact catgccaaat ccaagcaagg 420

cacaacttca cttacaattc c 441

<210> 12869
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-052-Q1-E1-D12

<400> 12869

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taatgttatc tctcggttcc acttctctgt taccgcgcga gattaacaag gataagctaa 180

agcttggaac ttctgcttcg aacccgttcc taaaagcaaa gtcttttagc agagtgacta 240

tgacggttgc agtgaagcct tctcgtttcg agggtataac tatggctcca ccagacccta 300

ttcttggagt cagtgaagca ttcaaagctg acactaacgg gatgaaactc aatcttggtg 360

ttggtgctta tcgtactgag gaactccagc cttatgtgct taatgttgtt aaaaaggcgg 420

agaatttgat gttggagaga ggagataaca a 451

<210> 12870
<211> 106
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-D4

<400> 12870

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aatgggagtg tctcaaaccg acggaanaat ggaaggttgg ctttnt 106

<210> 12871
<211> 75
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-D6

<400> 12871

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tctgcatnag ccgat 75

<210> 12872
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-E1

<400> 12872

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tggaaatcaa agttgcacaa ggtgccaagc ctggggaagg tggtcagctt cctggaaaga 180

aagttagtgc gtatatcgct aggctaagaa gctctaaacc tggtgttccg cttatatctc 240

cgcctcctca ccacgacatt tactctattg aggatcttgc tcagttgatc tttgatctac 300

atcagattaa tccaaatgca aaagtatcan tcaagctagt tgcagaagct ggaatcggaa 360

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gtggaaacgg ggctagtcca ataagc 446

<210> 12873
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-A4

<400> 12873

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tcctccgtcg ccgtcttcga ggactcaatg gactcagctc agccctggaa aatcgatttc 180

tttgagaaga agagtcttct tgttgcctgc taaagccaca acagagcaat caggtccagt 240

aggaggagac aacgtcgata gcaatgtttt gccctattgt agcatcaaca aggctgagaa 300

gaaaacaatt ggtgaaatgg aacaagagtt tctccaagcg ttgcaatctt tcnattaaga 360

tggcaaagcg atnatgtcta atgaagagtt tgataacctt aaagaagagt taatgtggga 420

aggaagcaat gttgtgatgc 440

<210> 12874
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-F8

<400> 12874

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tttgttttcc gtaaaagaaa ggggtaatca aataaaatgg agacggctag gcttttcaaa 180

ttagtgtgtg tgatatgtat tgccagtttg attccgacca tacgagccaa tgttgctgat 240

gagaccgatg agtattgggt aaacaaggcc aatgaagctc gtaaacatac ccttatggct 300

tatcatcccg acccttatga gatngtcgac cacttccacg agcgtnatta cgacaactcg 360

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<210> 12875
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-G1

<400> 12875

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tcccgtacgt ccgcatagtg tagtagtacc ttcactacca aaacaggacg tcgtttctta 180

tataagtggt acgacgtcga atcgtcaatg tcgatgtgta cttacacttc cttctccttc 240

agtttccact tcccgaccac cggttttacc caaaccggaa acctgggaga gtttgctgct 300

aaaccatgat caaattccag gcgaattctc accactgggt cgaagtaccc ggtaagctgg 360

gcgggagaat ggatggagtt acangggctc caaaatggga cggtctttna aacccatggn 420

acaacatccc cgggcnaaga tccccgntcg 450

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<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-051-Q1-E1-G10

<400> 12876

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cacagatcct tccttttctc cttcatcttc cccttcttcc ttttccctca tcgcccagga 180

acacatccga tctgcaccct cttcgttcga ttctcacaat taatatctag ggtttgcgag 240

gacccccccc ctctattcaa aaaaagagag cagattttct ctataatccc ctttggtttc 300

aagtggtgta attggatcgt gtagctgctt ttataatgac ctctagcacg acaggagatc 360

gaagatgggg tactacaaga agaagtggca tgactatatt gggaaaggtt gctgttccaa 420

aaccgattaa cttaccaagc caaaggtaga agaacca 457

<210> 12877
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-G12

<400> 12877

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gcaattgctg gcctaagtgg tgtttgtttt gttgtggtct aagaaagaat cgtaagtcaa 180

agacaacgga taagaaaaag aagaacaggg aancctcaaa gcagatacac gcgctagaaa 240

atatcgaana gggcaccaaa ggcactaatg atgcggcgaa atcaccagag gcggcacaat 300

tgaaagttgg cgaagaagtt tggacnntct cctgtttttg ttgcgtctgc nggtatggag 360

aatggtgggc ttgccaagga atgcgaatcc ancttctctg cntaaagaaa gncatccnan 420

tccagtangt gttggnacaa 440

<210> 12878
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-G2

<400> 12878

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ctgaatactc agtttgaagg aaaatctggt cgatcttttg atatagactt cgatgaacgg 120

ctggaaaaca tcagaaggtc agctcttgag cagaaaaaga cagaagtagt taaagaattt 180

ggtccaattg actatgatgc accagtcaag tctgaccaag aaaacaattg gtcttggtac 240

taaggttgga gttggcatag ctgttgttgt atttggtttg gtttttgctc ttggtgactt 300

tcttcccacg ggaagtgata ntccaactaa gaacacaaca gtagttaaaa atcaaatttc 360

agaagaagan aaagccacgc ctcagcaaag gctcaaagat ttgaaacaac tctcaatggc 420

acgcctcaag atnnaactgc tccggangg 449

<210> 12879
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-G3

<400> 12879

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gttcttgtac gtaggaatat ttacacgagt tgaatatcaa gaagatcaag aatatactaa 120

gtgcaaacgt agatgttcca tccgagaacc tggagatgat cgatgtcatt caaagtttag 180

gcattgatct ccattttcga caagagatcg agcaaaccct tcacatgatt tacaaagaag 240

gcctccaatt caacggtgat ctccatgaga tagcgcttcg ctttcgattg ctgagacaag 300

agggtcacta tgttcaagaa acttctgagc tccgtgtaga aggtgaagaa acactcgacg 360

gtgcgagaga attcacatat agccgcctta atgaactttg ctcaggtaga gaaagtcatc 420

aaaagcaaga gataatgaan tccttggcgc aaccg 455

<210> 12880
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-G8

<400> 12880

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agactcgtga ttatactttc ttgtctttca tattcctttg ttcgatcaga ctttacagag 120

agaacaaata tcaattatgt atcagctgtg ggagatcccg ggatgagaaa cgataactta 180

agggtggcta tagaagcttg gaaccaatgc aacgaggtcg gtgaagaagc tacaaacatg 240

ggaagccctc gaatggcaga ttgcttcgat atcgataact ctagctttcc cgtgaagata 300

atccacaaag tcgacgaaag agacacaggc ttgggggtag gaaatggacc tacggaggat 360

aagcgctgga gacaacgcag atatctacgc naccgcaaaa ggagnttact taggaacaat 420

gtncagttgt tgacaagcca at 442

<210> 12881
<211> 88
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-H10

<400> 12881

tccggntttc tcctccggcc ggttagntta aacaatccga aacccaactt ttanccctcc 60

cctttttcc ctncccaaac cctttcaa 88

<210> 12882
<211> 110
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-H12

<400> 12882

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ccaaaacatg gctttctcta tnaacttcgg cgactccgcc gtcttaggnt 110

<210> 12883
<211> 363
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-H2

<400> 12883

tggttttggt ngccctggac ctaccggana tggaaggtcg acccangcgt ccggtgantt 60

tgaaatttca gataacgcag aatttttta ttctcgccgg agttttctcc tcccaccgtc 120

tctgattctc gtcgccgccg tacacagttg ttgttctctg ccgtttctgc aagatgattg 180

gatcgtttct tacaagagga ttggtgatgg tgttgggcta tgcttaccct gcgtatgaat 240

gttacaagac tgttganaag aaanaggcct gaaatcgagc aacttcgctt ttggtgtcag 300

ntcttggana ntgggtgncn tgcctgacag nttttgaaca canntgtgan gcggntggtn 360

nca 363

<210> 12884
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-H5

<400> 12884

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cagtcttcag ctaaatcatg ancaacgagt acgattatct gttcaagctt ttgttgatcg 120

gtgactcctc tgttggaaaa ncgtgtcttc ttctccgatt cgctgatgat gcttacattg 180

acagctacat aagcaccatt ggtgttgact tcagaattag gacgattgag cacgatggga 240

agacgattaa gcngcaantt tgggatactg ctgganagga gcgtttcagg ancatcncta 300

gcagctatta nanaggagct catggaaaca ttangtgttt aagactgnac tgaagatgga 360

aagnttcaac aanngtgaag cagtngggtg agtggnatca tananatgcc atgagagtgt 420

ttggcaagct ttanccggta gcagnng 447

<210> 12885
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-H6

<400> 12885

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ttctttcttc aattcgccgt caaaatcttc tctttctctt cccccgccgg tccttcacca 120

atcctctgat ctctctacac acgaaccttt gattttgacc aacgtcgatg catgttcatg 180

actagtctct tcctcaatcc ttcaanttca tcaattcacg tcgatttcgt atccgattcg 240

ttgttctagc tctttgtgtg gtgttagggt tttaagattt tggaattggg gtttggagtt 300

tgtgatgttt gaagtcaaaa tggggtcaaa gatgtgcatg aacgcttcat gtggtangac 360

ttcnactgtt gaatggaaga aaggttggcc tcttcgatcn ggtcttctcg ncngatctcn 420

gtaatcgttg cgggatctgc gtata 445

<210> 12886
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-H7

<400> 12886

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ccgccgctac tcaacggtgg tgaattttct atacggtcag ttcgatcctc tttttatcga 120

caatcctaca caaatccata atcatggccg ccactgcttc ctccgaagct tctgaaggac 180

cagtgatggg tctcatcaac aagcgtctcc gtgctctccg taagaaatac aaccgaatca 240

ctcaaatgga agaatcgatt tctcaaggca aaaccctaaa caaggagcaa gaagaagtcc 300

tccgctctaa acctgccgtc gtcatcctaa tcgacgagct tgaaaagatc cgtgctcctc 360

tctccgccgc tgtgacagag gaaatcagcc tcgctactca gcttaaccgt gcttcatccg 420

atcaaaccac cgcatctgag canaaggaag tcat 454

<210> 12887
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-H8

<400> 12887

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tcttcgttgt gagcttccat ttttcatcca ggatttgttt tttccgtttg aggtaaagca 120

gctttgcagt taaagaaacc ttgagtatcc aatgtccccg gaagaggagc tacagagcaa 180

tgtatcggtg gctagttctt cacctactag caattgcatc tccaggaaca ctctaggagg 240

acttaaagag cataactact tgggtctctc tgattgttct tctgttggaa gctctactct 300

ctctcccctt gctgaagatg acaaagctac tatcagcctc aaggctacgg agctgacact 360

tggncttcct ggatcacaat ctcctgcgag agacacagng cttaaccttt tganccag 418

<210> 12888
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-A11

<400> 12888

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tcgtttacgc cggcgaagat ttccatcgga aacttaatct gatcggaagg aagaaggctc 120

gatgaagagc agattgaaga gctacaggag gaagaagcta gggttagcca cagttatcgt 180

cttctgttct ctctgtttcc tcttcggttt ctatggctcc actctacttt ctcagaatgt 240

gcctcgtgtt aaacccaggt tgagaatgtt ggatatngtt gagaatgggg aacaagaatc 300

tagctcnatg cctcaggggt gttacnggan aagaatcgat tggatngatn ncttttcngg 360

tncttaagtt ngacacctnt ggctanagct tttccggnat ttngannctg cngaacca 418

<210> 12889
<211> 522
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-F7

<400> 12889

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actttctatc acatgaaaac taaaaaacac aaacatcaca tgtatacaca catatagtta 180

caaacacaca tacacaaaac acagatatat aaaaatgtct tgttataata aagcactatt 240

gatcggcaac aaagtcgtcg ttatacttgt attcctctta tgtttggttc actcgtcaga 300

gtcacttcga ccactgtttg catgtgatcc agcaaacggg ttaacccgga cgctccggtt 360

ctgtcgggcc aatgtaccga tncatgtgag agttcangat ttgctcggaa ngctcacgtt 420

gcacgagaag attcgcancc tcgttaacaa tgccgccgcc gtaccacntc tcggtatnga 480

nggcattaat ggtggtcgan gccctcangg ntttccgacn tt 522

<210> 12890
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-D3

<400> 12890

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ccaccttcaa aagccttcaa aagtgtttct tcttcgtctt cttccttta ttatctgtgc 120

cttgacagat ccacgatccg attctggtca aattttacat ttctgcagac tccatngaag 180

gtgacatttg tttaagatac tcttgttcct ggaacacata cnaagatgaa gaaagtcttc 240

ggncaaactg ttagaagacc ttaagagaaa ggtcaacang aaagtgctca aagttcctgg 300

aagtagaaca gaangttcta agatgctacn agtaatgagc catngggtcc anatggatna 360

ctcctgctga tctgcgccag cttcagaaan tannangg 398

<210> 12891
<211> 56
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-D5

<400> 12891

gacacgcttt cagtggatcg tccagttacc acataacccc ccgtcctann atggag 56

<210> 12892
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-D7

<400> 12892

gnttttaccg tagatcgttt cgagtctctt taatctttgg cgggttccgt aaaaaaaaaa 60

atggcctctt ctagattcca atctgggttt tgtcctatct cttcgtgtcc ctctcttgag 120

aatttcatcg aaaggattaa agacgcatgt cgtttcaccc tctccgctgt tctagggaca 180

attctctcgg cggtcttgac tttcttcttc gctttagtgg gcacattgct tggagcactt 240

actggagctt tgataggcca agaaaccgaa agtgggttta tccgaggagc ggcggttgga 300

gccatttcgg gagctgtttt ctcatcgaag tctttgagtc atctcttgtt ctttggaaat 360

ctaatgagtc acgttttgga tgtctcctct acttgattga tgtcattgtn agtctgataa 420

gtggtanact tgtgcgggaa cnaatangg 449

<210> 12893
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-D8

<400> 12893

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aaggagttgt tactttgacc caagatgact caggtcctac aactgtgaat gttcgtatca 120

ctggtctcac tccagggcct catggatttc atctccatga gtttggtgat acaactaatg 180

gatgtatctc aacaggacca catttcaacc ctaacaacat gacacacgga gctccagaag 240

atgagtgccg tcatgcgggt gacctgggaa acataaatgc caatgccnat ggcgttggca 300

gaaacaacat antggaacat cagaatcctc ctgactggtc ctaattctgt tgttggaaaa 360

acccttgtgg ttcacgaacc taaagatnac tccgaaaggg ttgncataac ctaatccgaa 420

caatggaaac ccaggcggaa aattgc 446

<210> 12894
<211> 153
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-D9

<400> 12894

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gctcatgaaa ganaaggtcc ttggaaacaa acttcctgtc ccaaaatcnt gcaatttgat 120

ggaantttcc cggttttacc tgcctttgaa nga 153

<210> 12895
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-051-Q1-E1-E10

<400> 12895

tttctctgca tcagagattc cggtgtcctt cttcctttca ctcgcgtata acctcttttc 60

cttgacgttg tctccgtgag ctctctgtgc tttgactgca accatgtcga ctattatgca 120

gaagatcaaa gaaattgaag atgagatggc taaaacacag aagaataaag ctacttctca 180

tcatctgggt ttgttaaagg ccaagcttgc taagcttcgg agggaccttc ttgcaccgcc 240

taccaaaggt ggcggtggtg gtgctggaga aggttttgat gtgactaaaa gtggagattc 300

tagagttgga ctggtcggat ttccttcggt tggaaaatct acgctattaa acaagctgac 360

tgggacattt tccgaagttg cttcctatga gttcacgact ttgacatgca ttcctggtgt 420

tatcacataa ccgtgggagc taaaatccag ttattaaatt 460

<210> 12896
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-E11

<400> 12896

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tcggtacagt tacatggatc tttggccatg cacttctaac gaccttgatc atttagccag 120

acaagagttg cttgtgaaga atctgaataa gaaagcaggg aaaacaaatc tacctcatgt 180

tcctgcggct ataggtagtg tagcttcttc gtcaaaagtt gtttatccag atacatctca 240

gatggttgtt caagacccga caaagaaatc agagtttgct aagttctgca aacccaagtg 300

gcagcttctg cttcgaacac cttcccaagt actgtgactg caactgcaac tcatggatna 360

gccancacat tttgacgaaa ataccnaaga ctactccacc tgcattggna acattttaag 420

ctaacttgcc naatgttgac cgtccaacac ccaatgnngg tgtttt 466

<210> 12897
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-E2

<400> 12897

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ggggaggtta ttgacggtgt tggtctgcct cgtctctacg gtggcgatcg tgaacgccgg 120

tgatccttac ttcttccata catggaacgt gacttacgga actgcctcac ctctcggtgt 180

tcctcaaaag gtgattctca tcaacggtca attccctggt cctaaccttа actcaacctc 240

taacaacaac gtcgtcatca atgtcttcaa ccacctagac gaacctttcc tcttgacctg 300

gagtgggatt cagcatagga agaactgctg gcaagatggt gtggctggaa cttcatgccc 360

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acttctanta ccaannactc tctcancgg 449

<210> 12898
<211> 74
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-E3

<400> 12898

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gtganaccgg taca 74

<210> 12899
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-E4

<400> 12899

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tccttcaatg atgatgagtc gaccaccaca aatgcaacct gttatgcgtg tgccgcctcc 120

accgggatct cagttttctc atatgcaagt tcctcaacct tatggtcagc ttccaccgct 180

ttcgatgggg atgatgcaac caccacctat ggctgagatg cctcctcctc caacaaccgg 240

ggaggcacca ccgcctcttc ctgaggagcc agaaccaaaa agacagaagc tcgatgagtc 300

agcccttgtt ccaaaagaac agtttcttgc tcagcatccg ggtccggcta caatcanggt 360

ttcnaagcca aacgagaatg atggacaagt catggagatn acagtgcaat cgttatccga 420

aaacgtggga 430

<210> 12900
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-E7

<400> 12900

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taactatact tcttaccagg tgcctgtgga cgtggaggct tcagggcatt accagcaaaa 120

ggaagaagat gcatcaaatt ccaaagaagt agaatcagtt gttaatgatn aatctcaaca 180

agatgagcat caaaaggttg agttagtgac cgaaggagag tggtccatgg acagcaagaa 240

caggggctat actcaggtng gaaggagcag anaatgctaa aagaaactat gttncacttg 300

gtcctaacaa gaaccaagaa gtctncaagt tctccaaaaa gttgttgttg ctaacaaaat 360

tggccaagaa gacaagttgt tgttgttgnt aacaaaatgg gccgtnccaa tcctangatn 420

aanccggttg aaaccgtt 438

<210> 12901
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-E8

<400> 12901

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gcttgttggg acgtttgtct tctgaagttg gctggaacca ttacgatacc atcaaggagc 120

ttgaggtgaa gagaaaggag aggtcacaag ctttgtatga gcgtaagaag caactcacca 180

agctcagggc aaaggccgag aaggttgcag aggagaaact tggatcccag ctcgatgttc 240

ttgcatcgat caagtactga agaaaatcag catctatctt ttggtttaac tccttgtttg 300

gtttttatct attcagattt tgttttcctc ccttgtatca ctgttgaaag tttaatcacc 360

tcattcagtt taatttanca nttgatactc caaccctaag gaatnattcn aatacctccn 420

aacctnccaa ttaaggtta 439

<210> 12902
<211> 79
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-E9

<400> 12902

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agaacgaaat atacggnaa 79

<210> 12903
<211> 73
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-F1

<400> 12903

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ncccaacagc ant 73

<210> 12904
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-F10

<400> 12904

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taagtccgat gatgtctacc taaagcttct cgtcaagctt taccggtttt tggtgaggag 120

atctaacagc aacttcaatg ctgtgattct gaaaaggctt ttcatgagca aagtcaacaa 180

agctcctctt tcactctcta ggcttgtaga gttcatgact ggcaaggatg acaagattgc 240

tgtgttggtt ggaactatca ctgatgattt gagagttcat gagattcctg ccatgaatgt 300

tactgccttg aggtttactg agagggctaa ggctagaatt gagaaagctg gtgganagtg 360

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gangaccaaa gaactcgcgt taancatt 448

<210> 12905
<211> 354
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-F12

<400> 12905

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tttataacaa caacacatga gcaaaaagct caaaacatct acatactctt tggaatcctc 120

gatttttttgt acgtgtaaag aagtcacaca agaaaatctt gggttgttgt aatcttcatc 180

acactagtat gtcaacggga caagcgccgg agaagtccaa tttttctcag agatgtagtc 240

ctgcncagcc ggtacttgaa ggagaaggga agttttggaa anattatang ggggtnggtn 300

cnaaanncng ntcttggacc ncnccggaaa atcnatncnc aagggccacc anat 354

<210> 12906
<211> 52
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-F2

<400> 12906

agggccanag gcggcggcaa gacttccgac ggtgactccg tctactaagt gt 52

<210> 12907
<211> 526
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-F3

<400> 12907

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cgcgtccgng aaaggaaaaa aatctctttg tctttgcaga tgcnacacgc aaaacgacga 120

ttctgatctc gcttgtctga tttcaaaaac aatgagaaga tagttctgat tatataacac 180

acaaacccta cttcattcct tcatcatcgt ctccaatcat tacccaaaga tccgtctttt 240

tctttacttc atgtcgaagc aaacgtacaa agtgtgtttc tgctttcgcc ggaggtttcg 300

ttacactgca tcggaggcac cgcgtgagat caagaccatt ttcgaaaagt actcagagaa 360

tggagttatg accgttgatc atctccacag gtttctgatc gatgttcaga aacaagataa 420

agccaccaga gaagatgcac agtcaattat caattctgca tcctctcttc ctcatcgtaa 480

tggtcccatc ctgatgcctt cntcaagtac ctccttggtg ataata 526

<210> 12908
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-B8

<400> 12908

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ttcaatggtt gctccgaatg gtcacaaatc tgataagaaa cttatcagca agttgtcttc 120

aagctcattt ggaaggagac aaagtgtgtg tcctagaccc agaagatcca gttctgcaat 180

tgtgtgcgca gcaaaggaat tacatttcaa caaagatggg actaccatta ggagacttca 240

agctggtgtc aacaagctcg cagatcttgt tggtgttaca cttggaccca aaggacgaaa 300

tgttgttctt gagagcaagt atggatcaca cgaattgtta atgatggtgt gactgttgca 360

agaagagttg agttggaaga ccgggttgan aacantgggc gctaaacctt gtgaaggcaa 420

ccggtgccaa aancaatgga cttggctggg ngncggtaca 460

<210> 12909
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-C1

<400> 12909

tgaagacgaa gaangactaa gacatcacga ggaacacgat gggtgaagcg gtcaaggatg 60

ggagagaaga agtgattcaa gcttggtata tggatgatag tgaagaggat cagagacttc 120

ctcaccacaa ggatcctaaa gagtttgtat cgttggacaa acttgcagag ctgggagtac 180

ttagctggag acttgatgct gataactatg aaaccgatga ggatttgaaa aagatccgtg 240

aatctcgtgg ttactcttac atggactttt gtgaggtatg cccggaaaag cttccaaact 300

atnaantgaa agtgaagagc tttttcgaag aacatttaca cactgatgat ggagattcgt 360

tactgcgttg caaggaactg ggntanttng angtgagaag atncctaann ancctgggt 420

tatgggnatg ggtnacaaan ggangtttgg naactcntac ctgctgggat nna 473

<210> 12910
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-C10

<400> 12910

tttctgcaga aactatccaa aaatctcttc gttttcacaa tttctcatta ttaaaaaaaa 60

aactttaaat tcttcttctt caagaaaaaa tggcggtgga tcttttatcg gaaaattcta 120

atatgagtcc aagaatctca ttttcacgtg acttttgtca atcagacgca ataccaatcg 180

agaaacgtcc cttaagatca tcaaactcga aaccatcaag cctcaattca agcatagatt 240

tcgatttctg cattcccggc ggcgtaaatt ccggcgaaag cttcgatcaa ggttcttggt 300

ccgccgatga actcttctct aacggcaaaa tcttaccaac ggaaatcaag aaaaaaccag 360

aaccgggtaa aaaagaacca gaaccaaaac cggttaaatc taaaccggat tcaagaaaac 420

agaggaaaca accaaacgan gaacaacaag aaga 454

<210> 12911
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-050-Q1-E1-C11

<400> 12911

aagatgtatc acatgatgat atacatgtac aagaaggctg gcaactatga gaaagctcga 60

aaagtatttt cttcaatggt tgggaaagga gttccccagt ctacagtcac ttacaatagc 120

cttatgtctt tcgaaactag ttataaagaa gtttctaaga tctatgacca gatgcaaaga 180

tctgatattc aacccgacgt tgtaagttat gctttactta tcaaagcata tggaagagcc 240

agaagagagg aagaagctct atctgttttt gaagagatgc ttgatgctgg tgtaagttat 300

ttgtcttttt atctttcagg ccaacacata aagcttataa cattttgctg gatgcatttg 360

ctatttctgg gatggtggag caagcaaaga ctgtctttaa gagcatgcgg cgggacagaa 420

ttttcccgga cctctggtcc gtacacaact a 451

<210> 12912
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-050-Q1-E1-C12

<400> 12912

agagcttcgt cttcttcatc tccatcatta tctccattga cattgttctc aattgcgaat 60

aataatcata attattcaca caaccaaagc attcatctct cagattctct taaaaaaatg 120

gagaaatcag atcctccacc agtcccaaag cccggcgcca ctattatccc ctcctccgat 180

ccaattccta atgccgatcc gattccatct tcttccttcc accgccgatc tcgctccgac 240

gatatgtcca tgttcatgtt catggatccc ctctcctccg ccgcaccacc ttcctccgac 300

gaccttccct ccgacgacga tctcttctct tctttcatcg atgtcgatag cctcacctct 360

aatcccaatc cctttcaaaa tccttccctc tcctccaact ccgtttccgg cgctgctaat 420

cctcctcctc ctccttcctc tcgtcctcgc caa 453

<210> 12913
<211> 524
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-C3

<400> 12913

tggtttttt ggggcgcncc gggtccggaa aanacgggtc gacgcacgcg tccggcaaat 60

caaaaccaaa gttctccatt ttcgtagctt ctttaagctt tttcagtatc atagagacac 120

ttttttttt ttgattagaa atggctttag ctgttacttc ttcttcaact gcaatctctg 180

gatcgagttt ctctcgttct ggagcttctt ctgaatctaa agctcttcaa atatgttcga 240

ttaggttatc tgatcgaacc catttgtctc agagacgtta ctctatgaaa nctttaaacg 300

ctgagtcaca ttcacgaagc gaatcttggg ttacncgtgc ttcaactcta attgctcntg 360

aagttganga gaaaggagga gaagttgaag acntngagca ncttgcnaaa aangcttgaa 420

gatgcttcnn cacgngagat caggnnaaag ctctngagag atccggagac cgaatcgcat 480

ntnctttaag nggagcngaa agaagttgcn ttggatggan natg 524

<210> 12914
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-C4

<400> 12914

gcaaaaccaa gtcgaagctt ttaaaaccct aaatccccaa atcgggaact gagattccga 60

ttcgaagatg tcgtcgtctt ctccgagtgg aagcggtagt gatttgactg agagaagagg 120

gatccctgcc gccaaattca tccaagatgt ggagacttat ctctctcagt ctggtctcga 180

tcctaactct gctctcgcct ttcaccaaga aaggnttcag caatataaag ttgttgagat 240

gaagcttctt gctcaacaaa gggatcttca ggctaaantc ccagatattg aaaagtgttt 300

agaggttgtt gctactttgg aagcacagga aagggtactg ggtgaaggcg ctcttancct 360

gaattttgaa ggtgtccngn aagggantat attccacngg gccctgcatt gaaagacaca 420

ggactccagt tgtttttggg nggttnggga anctaantgg tccatgccng gaaaaaatnc 480

<210> 12915
<211> 369
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-C8

<400> 12915

agaagatgaa gcggacggtg atggacaacg cgattcgatc atcggtggtg gtgttgggat 60

cattggcctt tggttacttg tcactggagc ttggttacaa gcctttcctt gaaaaggctg 120

aacaatacga aagatctctt cagtcttctc aacaacatca acaacangat gaacaagaag 180

aagcgaggtg ggacaatagc aatgtcgagg ggtgggagga gaaaaggtag tcttataatc 240

ggtttcaata cagacatatc aaagtgtgta aggaannang aaccttatcn aaaattttct 300

tcntantcaa cccntanagt tcaantcggg tnanctanca accaatcggc ctgtttttnn 360

cnntaagcc 369

<210> 12916
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-050-Q1-E1-C9

<400> 12916

ttcttctcct ctcgattcga aaatttcaca tctccggaat tttcatttct ggagaatatt 60

gtttcacatc cctacaatgg cgtctgagaa tctgaatgac aagatctctg tttttaagaa 120

actcaaagcc aaatcagata ataagatttg ttttgattgc aatgcgaaga acccaacatg 180

ggcttccgtt acttacggga tctttctctg catcgattgc tcagctgttc atcggagtct 240

tggcgtccac attagcttcg tcaggtcaac caatttagat tcatggagct cagagcaatt 300

gaaaatgatg atatatggag gaaacaacag ggcacaagtc tttttcaaac agtacggatg 360

gagcgatgga ggtaaaaccg aggctaagta taccccaaga gctgctgatt tgtataaaca 420

gatacttgct aaaagaagtt gctaaaagca a 451

<210> 12917
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-D1

<400> 12917

ggaaaggagc cgcctagaga gaagaaggcg atccatggcg gaatctgtct tctcttgtat 60

accagaagac gtagtcttca acatcttctt caagctccaa gatgatccaa gaaactgggc 120

tcgtctcgct tgcgtctgca ccaaattctc ctcaattgtt cgaaacgttt gttgtaaaac 180

tcagtgctac tccgctatcc ccaccgtcat ctccgatctc ctccctcttc ctccctccgc 240

cgccgcatcc gcttcttcat ccaccgcggc ggattcgtct cttactcctc ccggtggttg 300

ggcttcttta tacaaactcg ctgtttgttg tcctggtctc ttccacgccg gaaattctcc 360

tcgaaaactc cgatttcggt taanaagtna gctaggtccg attaaaaccn cgattcnnaa 420

cctaatacga cggnttcaag cncttaacga nnaaagaag 459

<210> 12918
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-D10

<400> 12918

ctcaccatgn agacacctta gctcacctcc atggcctctc ctccttctcc tcctcctctc 60

ttctttcacc tccggcgaat cctctctgtc cgcagaaaaa aacanattgc acaccggtgg 120

tctcagtaga cagagttttc ctaaaggatt cgtgtttgga accgccacgt cagcttatca 180

agtcgaaggc gagactcatc aagacggtcg tggcccaagc atttgggatg ccttcgtcaa 240

gattcctggg aagatcgcca agaatgccac ggctgagata acagtggacc agtatcaccg 300

ttacaaggaa gatgtggatt tgatgaagaa actgaacttc gatgcttaca gattttccat 360

ttcatggtcc aggatattcc ctgagggaag tggtaaagtc aactggaaag ganttgctan 420

tacngtagat tgantgatac atggtt 446

<210> 12919
<211> 152
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-D2

<400> 12919

tnganganccc actgtttcaa aggctgagct taatgagaaa ttggcgacga tgtatgangt 60

taacgaccca aatgcgagct tcngtttcaa gttcacaact cactttgtgc ngtggtaaat 120

cttctggata tggtttgatc tatgatactn tc 152

<210> 12920
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-D3

<400> 12920

acatctcaca tccccctatc tctctctctc ttcaaacgtt ttagttcccc aaaaaaatat 60

caaaagaact aaaagaaaaa ccctagaagc cgaagaatct cctactcgtt gtcgatcgga 120

tcacctaact aattactcgt tgataatcat tatatcgaga aatatgatta attttgaggc 180

cacggagctg agattanggc taccgggtgg gaatcacggg aggagaaatg ggctggaana 240

aataatggta aaagaggatt ttctgagact gttgattcca aactgaacct ttcatcgnac 300

gggtaaggga ttcagttttc caagttcaan ttagangnan tnngagggnc aaggntcnta 360

aaancccccca ngcccagggc acaaanttgt gggaatggcc aaccgggtnc gnttttttttc 420

cnnaaggaaa cgttnnngtc cngggcgaaa aaaccggcgc 460

<210> 12921
<211> 55
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-D4

<400> 12921

attcaagctc gggagaanca agacgaccag cgacnaaggt taaagtttag gcggt 55

<210> 12922
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-D7

<400> 12922

ttggggaaag gcattgatac cgaatgggtc aaaaccgtta atctggcttt cacaaagttg 60

agtacaagcc cagaagagaa tacagaggtg gaagcattca attcatcatt ggcttctctt 120

atcacatcag tgaacaagaa cgatatagag tcatcgaagc tcgctttcgt ttcatcagct 180

ggtgcatttg agaaaatgga ctactttgac aggtcttttg ggaacagctt aagggactgt 240

gataggctgg ctacaaattc tttactcttt ttttgtattt tccaacagat ttgtcaaaag 300

anggtctttt ttttctccaa ataatccttt gaataatcat cattcacttt cttaacttct 360

ttggttatta attaccttta aaaaaaaana aaaagggcgg 400

<210> 12923
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-B7

<400> 12923

tctctctctc tctagattcg aaaaaatggc gaaactggtg atgttgttgg ttctctgtat 60

cttaccggcg atagccatgg cggcaaggag gggaaatatt ggaaagaata caatggtggt 120

tcaaggtagc acctactgtg acatttgcaa attcggcttc gagactcctg aatcctccta 180

cttcatcccc ggtgcaacgg tgaagctatc atgcaaagac aggaagacaa tggaagaggt 240

ttacacagac aaagctgtat cagacaaaga angaaagtat aagttcattg tccacgacga 300

tcacagacac canatgtgcg atgttttgct tgtgaaaagc tcggataaan acctgctcta 360

aaatctccgt tggaccttga aagtctcgtn gtgatctnga nccattacaa gnggaattgc 420

ctcgcaacnt tagacatgct acncacatgg gatttncgna aaaaagttgg 470

<210> 12924
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-H12

<400> 12924

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atgatcactt caattcgtgc atacgatccc gacgctcttc aagatctctg cgttgccgat 120

aaatctcacg gaaccaaact gaatggattt ccgtgcaagg aaacattaaa catcacggag 180

tccgacttct tcttcgccgg aatctcaaaa cccgccgtca taaactctac gatgggttcg 240

gccgtaacag gagccaacgt ggaaaagatc ccaggcctca acactctctc cgtctcctta 300

gcacgtatag actacgcgcc gggaggttta aacccaccgc acactcaccc acgcgccaac 360

gaaagtcgtc tacgttctag aangagaact tgagggttgg atttatcaca acaagcgaat 420

aagcctttca ctaaaaccat aaagattggg gaaattttcg tttt 464

<210> 12925
<211> 531
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-H2

<400> 12925

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gctcnnccgc cgatattctc acgccgggta tgattcgaac aacattcgcg accgccatcc 120

gctcatttcc acacgcattc tcatgggagg agctcaagct cgtcctctac agaacaacac 180

acgagaagta atccattgtc ctgaagcttg gttaagtcaa aatcgtatct actttgttcg 240

tgtacagagt tccagattca gatctctgtt tctgttactt aagcaagaat ctaaatccgt 300

ttatctcctt tgaggttgtg aagaaattgg ataacaatcc tcacataggg tttcgatttt 360

gggagtttag tagattcaaa ttgaacattc gtcattcgtt ttggacttat aatttgctaa 420

cgagatctct ttgtaaaagc cggtttgcac gatttanccg gtcagatgtt tgagtgtatg 480

aagaacgatn ggggttcccc gaataatccg gttataaggg ttctaatggn c 531

<210> 12926
<211> 115
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-H3

<400> 12926

atcancacng caggtgtgag cgnctcaact gtgcactgtt gagggagaat tattactggt 60

cggaaacagc atatcatatt cgcagttttg attgggggan gaanacgttg tgatt 115

<210> 12927
<211> 540
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-H4

<400> 12927

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ccacgngncc gcatcatctc tanattcgtc tttcatcgca gacaacaaat cttcaatctt 120

cgtcaattcc aaaccaccac aatccttcgc aacccaatct ccatcgctcc gatccagatt 180

ccgatggacg ccaccgagca gtctctccgt caatctcttt ccgagaaatc ctcatccgtc 240

gaagctcagg gtaacgccgt ccgagctctc aaggcttccc gtgcagctaa accagaaatc 300

gatgctgcca ttgagcaact caacaaattg aagctcgaga aatctaccgt cgagaaggag 360

cttcagtcta ttatcagtag ctccggtaat ggttcgctta accgtgaggc ttttcgaaaa 420

gctgttgtca atactctcga gcggcgtttg ttctatatcc cttcgtttaa gatntacaag 480

tggcgtcgct ggacttttg attatggtcc tcctggctgt gctattaaat ccaatgttct 540

<210> 12928
<211> 153
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-049-Q1-E1-H6

<400> 12928

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acatgatatg tccttgagtg cattaacatg tctcggattt gcatactcag atgttccanc 120

aaattttgcn acttatgacg gnactgaaga cca 153

<210> 12929
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-049-Q1-E1-H7

<400> 12929

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tccgatccgg taaaaggaga cgacccgggt ccatctttcg tctcttcacc accagctaca 120

cctagcaggt atgagtcaca gaagcgacgc gactggaaca cgttcttgca gtacctcaag 180

aaccacaagc cgcctctcgc gttgtcacgg tgtagcggag cgcatgtgat cgagtttctc 240

aagtacctcg accagttcgg taagaccaaa gtccacgtgg cggcttgtcc ttacttcggc 300

catcagcaac ctccgtctcc ttgctcatgc cctctcaagc aagcttgggg atctctcgat 360

gctttgatcg gacggttgag agctgcctac gaggagaacg gtggacggcc ggattctaac 420

ccgttcgccg cacgtgcggt tcg 443

<210> 12930
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-H8

<400> 12930

tcatcaatgg nggcgaggat aaacacttcg cttcataacg ccctctcttt tttaaagcct 60

tttaacactc ccctcaatac caaaccattc tcttttagaa gaaacagntt cagattttcc 120

aaaaagcttc cttattattc tcagttttcc tcagggaaga gagctctcta ttgcacttcc 180

agttcccagg aaagtaccgt cnatgaaggc gagacatttg tcctcaccac tcctctttat 240

tacgttaatg cccctcccca catgggtagt gcttacacca ctatcgccgc cgattcaatt 300

gctcgtttcc aagagactgc ttgggtaaga anggtatctt tatcacanga acagatgaac 360

atggtgagaa gatagctact tcagcagctg ctaanggacg taatccncct gaacattgng 420

accncatttc caatcttata gancnnnttg gaaanatc 458

<210> 12931
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-H9

<400> 12931

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tcaacagcat atacagatct agttacttca tctaagaaga cattanattc cctcttggag 120

ttgcaagagg ctttgtttga gaagaacccc tcggttgatc aacaagtgaa tgcaacagct 180

antgaagaat ccaataaatc aagatgcaga agatagcgat gaatggcagc gaatatctga 240

cttgcagaaa agaatgtctg tgttccgaaa caaggctgtg gacaaatggc aganaaaaac 300

acaagtcaca actggtgcag ctgctattaa aggaaagctc cacgccttta accagaacgt 360

tagtgaacaa gttgcttcct acatgaaggg attcaagtag aatgattaaa cagatgcaac 420

aatcaagatc tactgttgct gttttggaac tgtccctcaa gaaac 465

<210> 12932
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-A1

<400> 12932

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tcctccgatt attcgacctc cgggacagat gttgccaccg cctccttttg gtggtcaagg 120

tcctcctatg ggaagaggtc ctccaccgcc ttatggtatg aggccaccgc cacagcagtt 180

ttctggacca ccaccgcctc agtatgggca aaggccaatg attcctcctc ctggtggtat 240

gatgagagga cctcctcctc caacctcatg gaatgcaagg acctcctccg cctcgccctg 300

gaatgcctcc tgctcctggt ggttttgctc caacgcgtcc tggcatgcca ccacataatc 360

agcaacagtg attaagttaa caattgaatg aacaggactc cttgtctcgg ctttttactg 420

gttttggnnc nggttttcct gaaaattana aaggcttaaa angtttgatt gaaactc 477

<210> 12933
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-A10

<400> 12933

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agcaactact ccttcgacgg ctaaccatac gcttctcgga agtcgaagag gttgtcttaa 120

gaatcaaagc gatttccact aaatgggaac cgacaaaggt tgttcctcag gcagacagag 180

ttcttgttcg tcttgaagat cttcctatta aatcctcagg tggagtattg ttgcctaaag 240

cagctgtgaa gtttgagaaa atacctacca ggaaanataa aaccgggtng gtccnaagnt 300

tgggcnaaaa gnttggccct ggaaaaaggt ttggtccccc gaagnttaac nctaanaaag 360

ggncaatttg gnaacnnntn ncnaggaatg nctnctntaa naaaa 405

<210> 12934
<211> 585
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-A3

<400> 12934

catttcaagt aaaaaatact ttgagaaaca aaaagagaaa actagtatga gaaacaaatc 60

cttaaaaaag gaaataacag taatgcacgt gatgatataa caaaaggttt tgttttgttt 120

gtttttttat tgttttttc ttcttttatt tgtctgttat aataatcaaa aaacaagaag 180

aaaaaacgag acgttcatgc atttaatctc gcaccttacg acaaagagtg agagagagga 240

tcgctcaggt ttgttcatct tcaccgggac gattagcttt tgcggtggga gaaaagaacn 300

ggcctgtcct caacctcctg aaaacaagaa ggaacaagaa gaagggttaa ggaaagggag 360

aacnaatngg nttgggancc ccgccgccgg ggcctccaag aatttcgttt tttgggtttt 420

ngggantttc ttncccnant tgggttccaa anaattgaaa nccctttttg gggnccaaat 480

tggggtnggg gttttgggggg gggccncccc aaanttnccn tttttccccn aaaggggtcc 540

cnaaaaggcc ctcccgttta aaaggggggcc ccgaaaaaaa ttnna 585

<210> 12935
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-A4

<400> 12935

attcgaaatc tttgcgagct cgtctcgccc agaatctcga tttctccacc tttcctcttc 60

aattcatctt ccaaatccct aaaaaaaaga ctcaaacttt ttaattttgg tccaaaaaag 120

actcaaactt tcttcatcaa tggcggagaa aatcacgaga gagacgtcgt tacctaaaga 180

gagaagcagc ccacaagctc taatcctggg acgatacgaa atgggtaagc ttctcggnca 240

tggtaccttc gctaaagttt acctcgcacg taacgtgaaa ncanacgaaa gcgtagcant 300

caaagtaatc gacaaggaga aaagttctca aanggaggtt aaatcncaca acntcnaaan 360

cngannttc gaatcctcga acttttccgg taacccaana caatcgntaa gctaattcga 420

aggtcaaggg ggaacgaaaa ggctaagatt caaatttcgg tgaagggngt taagttccg 479

<210> 12936
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-050-Q1-E1-A9

<400> 12936

gggttttctt ccatacacaa tcagactcaa cgataagtac caatcggaga agagatcaca 60

agtggatgat gagttacgaa ggcaacggag atggtgtcgc tatctccacc gaaaaccaca 120

acgagaacta catatctcta gagagctcgc cttttcatga agactccaag tctcgagaat 180

ctcatgatct taaaaaggat tcttcgaaaa tcagtgagaa agacaatgaa aatggacgtg 240

ataaagacgg aaacaaagat cgtgatcgtg agaaggatcg tgatagggag aagagcagag 300

acagagatag ggagaaaagc agagatagag atagggatag ggagagaagt aaggataggc 360

aacgagaccg tcatcataga gatcgtcata gggaccgtag cagagaacgt agtgagaaaa 420

agagatgatt tgggatgatg atcatcatcg ca 452

<210> 12937
<211> 313
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-B3

<400> 12937

gaagattgca tcaatgaaga agaagaaatc aagcaaggag gttgatggtg cttcaacagc 60

tgctgcaaag gaagcagctg cgaggaaggc aaagttggcc gcagcgaaga aaaaagaaaa 120

gaaaaactac aatcagcaac ctgtgaggtg acnaaatcaa tccacccacc gttgtgatat 180

gaacataggt tttgttcata tcagacttac ttgccttgaa caaatctttt gntggggaat 240

gtggttgggt cgtgttttag agttangana actttggatc ncttnatcct ctcnaatnga 300

ncctgncnng nna 313

<210> 12938
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-B5

<400> 12938

taacgctgat gtgccgccat atcttgacat ctttgactcc cctcagctca tgtcttctcc 60

tgcacaggtt gaaagatcag tggcttataa cgagcaccga ccgagaactc ctccaccaga 120

cttgccatct atgcttcttg acgggagaat tgtttacatt ggaatgcctc ttgtgccggc 180

agtgactgag ctagttgtcg ctgagctaat gtatcttcag tggctggatc ccaaggaacc 240

catttacatt tacatcaact ccacagggac cactcgtgat gatggagaga cggttggaat 300

ggaatcagaa gggtttgcga tctatgactc tttgatgcaa cttaaaaacg aggtacatac 360

agtatgtgtg ggaacagcca tangtcangc ctgtccaata ctttctgcng gaaacaaggg 420

taaacggtta atgaagncac atgccaaagn gaatgatcag c 461

<210> 12939
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-G9

<400> 12939

gcaagaatta agggaacgtg cacggaanaa gaaagaagag gaagaaaaac ggatggaacg 60

tgaaagagag aaggagcgaa ttangattgg caaggaactc ttagaagcaa agcggatgga 120

agaagtaaac gaaagaaaac gtcttatgtt tttgcgtaaa gctgagaaag aagaagaaaa 180

acgggctagg gaaaagatcc gtcaaaagct tgangaagac aaggctgaaa gaaggcgaaa 240

actcggattg cctccggaag atcctgcaac tgcagctgca aaaccctcag tgccagttgt 300

ggaggagaag aangttacat tgccaattaa accggccaca aagactgaac aaatgagana 360

atgcttgagg tcccttaagc aagcccacaa ggaggatgat gctaannтga aganagcgtt 420

ccanactcct gctgacntac atgggaaatg tccnaaaaa 459

<210> 12940
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-E9

<400> 12940

tcatgtcttc atatctctaa ccataagata aaactcaaga tttctgaaga ggacagctct 60

ggaattcata tacgttttgc ctctccatct gattctcagc ttatggaatt ggagcaaatc 120

tgcattttga aacccgatga tgaggaagaa atggagtcac catcaccatc gaaaacagag 180

gaaaatttag gcgtggttcc tctgtcttgc gcgtttacga gacaagaaca ttgcgtttcc 240

gagacgaaag aacgcgaaga atcgactaga agactaagca gccttatttt tctttacctc 300

atcgttatgt ccgtacagat tgtgggangt tttaaggcga atagtcttgc ggttatgaca 360

gatgctgcgc atttgttgtc ggatgtggcc gggtttgtgt gtcncttgtt gggcaatnaa 420

ggtcccaagc tgggaaacta atccgcgaaa ctcgttcggg tttaa 465

<210> 12941
<211> 531
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-F11

<400> 12941

nnnnnnnnga antggtttgc ctgcgcntac cgggtccgga aatcccgggg ccaancctct 60

ctcagattca tcttcttcct cgcagatcga ttttttttg aagctaaatc tcaaaaatgg 120

agaacgacgc aggtcaggtc acagagctct acattccaag gaaatgctcg gcaacaaaca 180

gaatgatcac atcaaaggat catgcttcag ttcagcttaa cattggtcat cttgatgcta 240

atggtctcta cactggccaa ttcaccactt ttgctctctg cggatttgtc cgtgctcagg 300

gagacgcaga cagtggcgtg gacaggctct ggcagaagaa gaaggtcgaa gctaaacaac 360

agtgagagac aatctgacaa tgtcataagc tcttgtttgt tttttgaggt ttcgatttat 420

tagctatgtg gctttgtcat tgaattgaaa atgttagttt ctccttaagc gaattcatgt 480

tttcgatttt ctgcnttatt aaagataatt antaagcttt gagggcaatg g 531

<210> 12942
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-F12

<400> 12942

tcgtacaaaa tacaaatgaa ccgcagaaag tgaatgggtt tttgctggtg gcctctactg 60

ctggatatgc atatagcgat aaagatagag cctggattgg agctatggct gagaaattca 120

gaggatgaca tgagctgttc atgatgatgt tatctttgac tggtgaaaca cttcagttcc 180

tacagaaatt tctcgaggcc ataaaccaga ttctggaaaa ccaaagagaa taatggcaag 240

tgattacata acagtaagag attaatggat ggagaattct tgcttgtttc catgttacct 300

tgaggcgtac caccttttctg attgctaaga gtangccggg cattacggac cttacgtcaa 360

ttatgtcatg tttaacagtg taaacctgtg gacagcattt tgtatcagaa gaattttaat 420

gagctaagta ncctaaattt taaaatagag tatccaantt tca 463

<210> 12943
<211> 534
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-F4

<400> 12943

gnnnnnggaa ctggtcngcc tggncnctac cggccccgga cntcccgngt cgacccacgc 60

gtccgaagat tatagataac aaggttagat acgggagttg tctttgggaa tcaaaagcat 120

cttccatccc gtgtcatgaa gaatgtcatt gaagtcgaga aatctgaaga tagaaacgaa 180

aagtattggt ttcatgaagc acgcgttccc ttatatttga tcaaagaata tgaagaaagt 240

ttgcataggg tggtacacat acctttttatc aagaagccat caagaaaaat atcaaagctc 300

cagaaaaggc aactaaaagc ttctcgagca aacatatttt cttatctagc ctctcggagg 360

gacaacacgg agaagtgttc ttgtgcatca tgccatctcg atgtttttttt gagggattca 420

ataacatgca gtacttgcca aggtttctgt cacaaggaat gtactatgag ttcacaacac 480

acaactgggc agttggaaat tttggtaacc tgcaaacggt gctancntgc aaaa 534

<210> 12944
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-F5

<400> 12944

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tactgatcga atcaagtgag agtgaagacg agatcctcat caaaaacgaa ccaaagccag 120

cgtcttcatc ctcaccgcaa cccacggaga cgaaacaagt cgacggagat gattccgatg 180

ggttcgaaac tgccagcgaa cgtgaaatta gcgatgaaga aggagaggaa gatggtacca 240

aaaatgacgc cgtcacgaag tcaggaggaa ccacagcact cggagaagaa gggaagagca 300

gattgagcta atgagtgaag gagaagccat agtcgacgac ggatnaaaca agggagaaaa 360

gctttggcaa gaaagcaaat gaaggctaaa gccggaagga ataaaactgt ttcgttaatg 420

gcctttatga agaagcattg tcaaagtatg cttt 454

<210> 12945
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-049-Q1-E1-F7

<400> 12945

aaacaatggc gataattccg ttagcacagc ttaatgagct aacgatttct tcatcttctt 60

cttcgtttct taccaaatcg atatcttctc attcgttgca tagtagctgc atttgcgcaa 120

gttctagaat cagtcaattc cgtggcggct tctctaaacg aagaagcgat tcaacaaggt 180

ctaagtcgat gcgattgagg tgttccttct ctccgatgga atctgcgaga attaaggtga 240

ttggtgtcgg tggtggtggt aacaatgccg ttaaccggat gatttcaagc ggtttacaga 300

gtgttgattt ctatgcgata aacacggatt cgcaagctct gttacagtct tctgctgaga 360

acccacttca aattggagaa cttttaactc gtgggcttgg cactggtgga aacccgcttc 420

ttggagaaca agctgcagaa gaatcaaaag atg 453

<210> 12946
<211> 534
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-G10

<400> 12946

nnnnnnnnng aantggtctg cctgcgnnct accggcccgg anatcccggn tcgacccacg 60

cgtccgacac aacgcagcta agaaacctcc ttaaagaaca aagaaaaaac ttggtgaaat 120

cgattctctt caaagatcgt cttcctaatc actttcaaca actcgatcaa tccttactga 180

ttctgattct gtatcgaatt tgatacagag acgatgccga agaacaaagg aaagggagga 240

aagaacagga agagaggaaa gaacgaagct gatgacgaaa agcgagagct tatattcaaa 300

gaagatggac aagaatacgc acaagttctt cgtatgctcg gtaacggtcg atgcgacgtt 360

atgtgcattg acggtgttaa gcgtctttgc catatccgtg gtaagatgca taagaaggtt 420

tggattgctg ctggtgacat catacttgtt ggtctaagag antaccagga tgataaagct 480

gatgttatac tcaagtatat gtctgatgaa ggtaggcttc ntaaggcgta tggg 534

<210> 12947
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-G11

<400> 12947

aaaagaagag aaaaataaaa aagtttgtgt aaatttttt tgcacactcc acagcctaaa 60

cccaacccaa aatcacaaaa accaaaaaaa tatataataa tgggtggctg tgcgagtaga 120

cccaaggaat cagacatgca aaacgaagaa ggctctgttc ctaacaagcc tgtctctgaa 180

aacgtagtag ccaaggagaa caacacagaa agcggtgaga aacagaacca gacagtggct 240

gagaccactg aaacaacttc tgtcgaagct aaggagacat ttccggtcga gccgaccaag 300

gaaacaactc ctgctgttca accagaggtt gcagccgtcg aagagtcttc ttctgctgat 360

gctggtgagg ctgcagtagt tgcacctgag aaagtggaga acgctgcaac agaaaacgct 420

gaagcaaang tggaagcggt tgcgtanctg canccgaaaa ggt 463

<210> 12948
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-G12

<400> 12948

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caattccatc gagaagggtt catactctcc ctgactttgg aggatggaag cattggctat 120

ggagaggttg cacctctgaa cagtaatgta gagaacttaa tggatgttga ggggcagctt 180

cagttagttc ttcacctcat gaatgaagct aaatttagtt acatgcttcc tttgttaaat 240

ggctcgattt cttcctggat ttggagtgaa cttggaatta ctgcatcatc gattttccct 300

agtgtcagat gtggtctgga aatggctctt ctaaacgcna atggnaagta agacatgatt 360

cctccttctg ataatgaagt atccccaaca aaactaagaa tcatgtcnta ctgccattgc 420

gtttaaaaag aaaatnggtt ctgctcancc aaactccgtt caaaanantg 470

<210> 12949
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-G2

<400> 12949

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tgaacaagtg gaaatgccgt tttggtggcc actgatcgtc ctcgccttcg cttacgcgat 120

ctgcaagttc cttcttatgc tcattcctcc caatgttcct tccattgacg ttgacgcatc 180

cgatgtgttg gctcatggga aagatacgga ggagaatagc ttcatctata ttcctcccag 240

aggaaggagc caacagtctg acaaaaaagt tcaatgttat gaacctgcca caatgaaata 300

tctgggatat ttccctgctc tgtcgcctac tgaggtcgag gagcgcgtaa cactatcaag 360

gaaggctcaa aagacatggg ctcaaagtag cttcaagctt agaaggcagt tcttgcggat 420

tcttcntaag tacattattg aacaccaaga gcttatatg 459

<210> 12950
<211> 539
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-G3

<400> 12950

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cccacgcgtc cgggagaaga cggagtttaa aattgagatt caatggtgga gaaaggtcac 120

gaagcgttat agcttccgct gaacggagca gtgaagggat tgagaagaca acagacaccg 180

tcggtggcgg aggaggagga ggagcaggca gatttgctgg tactgccatg gaggttacta 240

cacttgatcg tggttttgct aactccacca ccgttgattt tccgatctgg gacaaaatcg 300

gcgccgtcgt tagacttact tatggaatcg gaatatatgg agcaatggct gtagcaagaa 360

gatttatatg ttcagtgact ggaattgatt catcctggtg gaatttgatt cttctccttg 420

atgcactact tgctggactt ggctatgcaa caccaacaat catggctcct cctcttcata 480

ctcgacgatg aagttgtgaa gctatcaccg catgctcggg ccattagaga tgtggaant 539

<210> 12951
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-G4

<400> 12951

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cacttcctct tctttatcac tctccggtaa gaagaactca tattctccga gacagttcca 180

tgtttctgcc aagaaagttt ctgggttaga ggaagccatt agaatcagaa aaatgagaga 240

gcttgaaact aaatcaaaag ttaggagaaa tccaccatta agacgtggaa gagtatcgcc 300

tcgtcttctt gtacctgatc acattccaag gcctccttat gttgagtctg gtgtattacc 360

ggatatatca agtgagttcc agattcctgg tcctgaaggc attgcgaaaa tgagaactgc 420

ttgcgagctt gctgctcngg tttaaactaa gctggaactt t 461

<210> 12952
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-G7

<400> 12952

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ctctccattc gctagatctt acagatttgg acgacgtaat ctggaaccac tttccaacgg 120

aatgctttcg tcgggaagta gagccgacgg tgctacggcg gcggctgcat cgatggaagg 180

agtgatgacg gaggcgatga aactgattca atcggcgtca ccaacttgga aatcagctgt 240

ggctaacaat ttattgattt ttgttctcgg ttcancgctt cttgttaccg gattgtccgc 300

ttctgggatc gccgccgcgt ttttgcttgg tactttaact tggagagctt atggctctgc 360

tggtttcctc ttagtcgctg cttacttcgt cataggaaca gcggcaacga aggttaaaat 420

gacgcaaaag gaagcacaag gtgtggccga aaaa 454

<210> 12953
<211> 549
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-E8

<400> 12953

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nttcccgggg tcgacccacg cgtccggaga aaagggaaaa ttaccaagac aagagttctt 120

ctttcttctc tctgcctgct tctttttcct ctcttttctc tctctctctc tttctttgtg 180

aaaatctaga agaagagaaa gctacaaaaa tctcaacatc gaggtaagag ttttggctac 240

agagcaacca tgctaacttg cgccttctcc caaaatctta tccactaatc tcggtaagga 300

aagtgatgtt ggcaaaatgg tgaagaaagg aagttggttt tctgctatca aaagggtttt 360

tactccacat tccaaagaga agctagccaa tgaaccagag agaaagagtg gcaaagaaaa 420

gaagaagaaa ggttttggga agctaaggca tggcgagacc aattcatttc ttcccatctt 480

cagagagcct agtagtatcg aaaaagatct tgggcaaggc tganagagat nacaatcttg 540

tcttcaggc 549

<210> 12954
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-D7

<400> 12954

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aagaagaaga gagaacgggt ttgtagttgg tggttgcgtt tctttctcgt ttatattctt 120

ctttcttttt tgttttcatc tttcaattcc ttttttttctt ttttgtttat aatctaatcg 180

acgcacgaac agagcaatct caagctcttc ttcttcccca caattgaatc tgattctgag 240

atcctcttac cttctgtttg atctctctgt ttcctgacga aggagatatt gtagagaaag 300

aaaggggttc tcatgattct cgtgttttga gtctctttcc agtananatt aaaacttaca 360

cttgtctttc tttgtctttn tggtgganat ctactagatc ngttccgttt ttccatnaaa 420

ctttgggtnc angttccgta caangaaata g 451

<210> 12955
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-D9

<400> 12955

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atggcggaag cgatgaattc gtcggagaag aaagatgaga gctcggagga gaagggaggt 120

gagcttttgt tctgtggtgc tacggcttgg gatatcattg gaaaacgaaa aggtgcgatg 180

gaaggtaact tggtctctcc tactcggcta aggccactcg tcggcgttaa cattcgattc 240

gtcgccactg gttgcgcttc gtttcattgt gtggcattgg acgttgaagg tcgttgttac 300

acttggggac gtaatgagaa angtcaatta agtcatggtg atatgattca acgtgataag 360

ccaacagttg tgtcangact ctctaagcac aaaattgtga aagccgcaac aagaaggaac 420

cacacngtaa ttggttantg at 442

<210> 12956
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-E11

<400> 12956

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ggagaatggc taccaaaaag tgccatcgat gctttggtcc atcttatggt tgtcatatcg 120

ggacgtccaa agggactctt taaagagtgt tcaaaacgta tcgagtctgg actgcagatc 180

attcaagatg aactgatcaa gcttggaatt actgacgaag ttagagaggc tgatttgcgg 240

cacacagcta tctgggatgt ctanggtttt tcttatgcta caagatgcag tttcctgaga 300

atagagtggc tttggaactt acaaggtctg attatgtcna aagctgaaaa agctttggtt 360

gatatgaaaa attggtttac acgatttcca aacgaattta caagcttctg aatgtatgaa 420

ttganatgct caaggggggca ataatcctca atccgt 456

<210> 12957
<211> 531
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-E12

<400> 12957

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cgtccgcaga aaacaagtag aaactttaaa acgagagaga gagaaagaaa tggcgacatc 120

gggaacgtac gttgacggag gttccgttga aaggatcggc ggagaaacac tacaagagct 180

ggaagagcga agaaccatgt cttcgctgac gccattggcc accacatcca aaatgtcgtt 240

gttcacgaag gcgaacatga ctctcacggg tctatcanga gttgggacta cacatatgat 300

ggaaagaagg agatgttcan agagaagaga gagatagatg atgagaatan aacattgacg 360

aanagaagac tggatggtca cgtgatggaa catctcaaag tatttgatat catctacgaa 420

tttattccca aatctganga tagctgcgtc tgccaaatcc ctatgatatg ggaaaagcgc 480

aacgatgact tcccgaanca agccggctac ntgaaaatcn tccagcnant g 531

<210> 12958
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-E2

<400> 12958

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cttcctcttc ctccaatctc cgaccgccgc ttctccacct cttcctcctc agccaccacc 120

accaccgtcg ctggctgtaa cggaatctcc gcttgtgatc tcgagaaact caacgttctc 180

ggatgcggaa acggcgggat tgtttacaaa gtccgtcata aaaccacatc ggagatctac 240

gctttgaaaa cagttaacgg cgacatggat ccgattttca caagacagtt gatgcgagag 300

atggaagatt ctccgccgta cagattcacc gtacgtcgtt aaagtgtcag ggaatcgtcg 360

agaaacctgt cntcggtgaa gtatcgattc taatggagta tatggacggc ggaaccctan 420

aatcactaag ncggcggtgt aacggagcan aaactcgccg gattcgctag 470

<210> 12959
<211> 523
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-E4

<400> 12959

ttttgcacgn ccggtccggn aanaaanggg tcgacncacn cgtccgggct gccantttcg 60

atttccaaag gttttgagct ttgaaaaatg gtgagaatca gtgtgcttaa cgatgctctt 120

aagagtatgt acaatgctga gaagagaggg aagaggcaag tcatgatcag gccttcctct 180

aaagtgatca tcaagtttct tatcgtcatg cagaaacacg gttacattgg tgagtttgag 240

tacgttgatg accacaggtc tggaaagatc gtggtccagc ttaanggaag acttaacaaa 300

tgtggaagtc atcantcctc gtttccgatg ttggagttaa ggagattgaa ngctggaccg 360

cncgtcctct tccttccaga cantttgngt acattgttct taccacctcg gcggggtant 420

atgggaccac gaagnaccca ggagaanaga atgttggngg ccancgttcn tggctccttt 480

nctgantcaa agtcttnaag gaggagaanc cttangggtn ggg 523

<210> 12960
<211> 467
<212> DNA
<213> Arabidopsis thaliana

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<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-E5

<400> 12960

gactatttac cgcgcttcca gatcttacac caagatgaat cagcatatgc ctttgattta 60

tattcagctc tacacctatc agatttgccg tgctatgaat tatctgcatc aagtggttgg 120

agtgtgtcac cgtgacatta agccgcagaa tctgttggtc aataatgtta cgcatgaagt 180

aaagatatgc gattttggga gcgccaaaat gctgattcca ggagaaccaa atatatctta 240

catatgctca aggtattaca gagctcctga actcatattt ggagcaaccg aatacacaag 300

tgcgatcgan atgtggtctg taggttgtgt catggctgag ctttttcttg gacatcctct 360

attccctgga gaaaccaagt gttgatcaat tggtggagat cattangntt ttagggacac 420

cagcaggaga agagataaag aacatgantc ctcgttacaa tgaantt 467

<210> 12961
<211> 225
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-E9

<400> 12961

ttccgggaat cccaaaatcg tccaagaggg tttttagcaa ctcatttctt tcaaaggact 60

ctactggagc taatggacta ttgtttcgct tccgaanccc gnaagcaagt atatgtacgg 120

aagctcgtcc aaagaacatc aactcatctt actttaccag atcttttgaa gttcttgatg 180

canaagatct ggtanagtta gatgagttgc nttncgannt tcnaa 225

<210> 12962
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-F10

<400> 12962

caaatgtggg atgctaagaa catgatgtgt gctgctgacc caagacacgg tcgctacctc 60

actgcttcag ccatgttccg tggaaagatg ancaccaagg aggtcgatga acagatgctg 120

aacgtacaga acaagaactc ctcctacttt gtggaatgga tccctaacaa cgtcaaatca 180

accgtctgtg acattccccc tactggtctg aagatggctt caacgttcat tggtaactca 240

acttcgatcc aagagatgtt caggcgtgtc agtgagcaat tcactgctat gttcaagaga 300

aangctttcc ttgcattggt acacangtga angtatggat gacatggagt tcactgaagc 360

tgaanagcaa catgaacgat cttgtctctg antatcagca gttatcaaga atgccaacgg 420

ctgatgaaag aaaggagaat tatgangaag gaagaaacct gagtnacgaa 470

<210> 12963
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-F2

<400> 12963

gnaaacaatt tacacagcta tatatatatt tttagggttt ttgagtatct cgcgaggttt 60

tacatagatt tctccattat ggattcgatg atgaatcaga agactgtttt ggctgtgacg 120

gatgatgtgg tgttacctgt tagctctgtt ttagctataa tgaaagagct tggaaaggaa 180

gtgattgaga gttttgatcc tctgattatt actcaagcat ccacaataaa tcagtttcct 240

ttggatgctt cctctgtgga ggcggtatta gccatttcca aaacatctga tttcccaagt 300

gataaaatat gtggtgagtt ctcaaagaat cttgaagcct ggcggcacgg tttccgtgtg 360

caaangtttt gggganggtga aacgggagaa attcaacaag accattcaaa ggagaantga 420

cattgggctg ggtttcttga nccacagtgt ccntgatttg aaatccatta aag 473

<210> 12964
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-F6

<400> 12964

aaatgcgagg gaacttgact tccagtattc acctttctca gctcaacagt ctatgcaatc 60

aagaactagc aacaatgcct catcacttgg tggccaaagc atttcaatgc cagaggcgct 120

ccgaggcagt ggaattccgg caacacagcc aacccagcaa acactacctg gtgctaatat 180

cgctactgga cctgctcttc ctcagcagct tccaatgcat tactctcaac ccacattacc 240

tctaacacac tatgcaaaca tgatcggtta tcctctaatg cctcagaatt atccatacat 300

gccatctgct ttccagcaaa catttgctgg taatagtgca taccaccagc aactagctgc 360

attgcttccg cagtacaaaa ccaatgtctc tcccggtaat ttgcctcagt ctgcaacagc 420

gcctgcctct gcttaaggat ttggnaactc gaacaatgtc cgg 463

<210> 12965
<211> 531
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-G12

<400> 12965

gngnngnngg aactggtttg cctggncnta cgggcccgga aatcccggaa cgacccacgc 60

gtccgaaagt atttggtgtg ataaattccc tctccagctt ctcggtgaca cagatatttt 120

gcttccaaat aaaacgagtc cggtcactgg cgctcantga cttcgtcttc ctccatctcc 180

gatccattgg tttaacaagc gcgtgagggc nagatagacc gagaatcatg ggaaacggaa 240

actcaacgga gacgaaagag tcgcgccgat naaagatgcg taagaagatt caaaactttc 300

gcagccgccg ccgtcntagt cgtccaggat ccggaagcgt ctctggattg gctagtcaga 360

gatctgtgag cgcagatgat ttcgccggca ttgctcttct cactcttatc cggcgcggag 420

atgaagttca agggacaagt tggctcgcct gtgtttcctt cggggaacaa actttccgtn 480

cggaaatttc agaatccacn agagaagccg atttggaact cggaaaagaa g 531

<210> 12966
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-G3

<400> 12966

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agtggtcttc tctccgtcga tggtcttaag gtacttcaca tggacaggaa tgactactac 120

ggtggagagt caacttctct taatctcaat cagctgtgga agaagttcag gggagaagag 180

aaggctcctg ctcatttagg ttctancaga gactacaatg ttgacatgat gccaaagttt 240

atgatggcta acggaaaact tgttcgtgtc cttaatcata acggatgtta acaaattact 300

tgtcctttaa aagcctgttg atggaaagct aatgtttttt gtccaaaggg caaaggtcca 360

aaaaaagtgc caancaaact cccaatggga nggccctcaa atcctcctcc ttaatggggt 420

aatttttgag aaaacgttca aacct 445

<210> 12967
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-048-Q1-E1-G6

<400> 12967

gctttgcaat gcgtgttgca tatggtttgt gtctgtgttg agtatcggag gaggaacagg 60

aggagaacca ataggacgac gacgacgact cctccacggt cacgttcttc ttcttcctct 120

tcatcttctt cttccttgga ggaagaagct ttgggttcca ggaggaattc aggtgtgcag 180

gacttgtcgc ttggccactt ggataccgaa agcagcagtg ttgctaagca tctggaatct 240

gccaatacga tgttttcttt tatatggtgg atcattggat tctactgggt atctgctggt 300

ggccaagagt tggcacaaga atcccctcgg atttactggc tgtctattgt ctttcttggt 360

ttcgatgtgt tctttgttgt cttctgtgtt gcgttggcct gcgttattgg aattgcggtt 420

tgctgttgcc tgccatgcat cattgcagtt ttgg 454

<210> 12968
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-D5

<400> 12968

tcgacgacga gtgaagaaga aagcgagacg aagaagcaaa gatgttcaga aaccaatacg 60

acacagatgt tacgacatgg agtccaacag gtcgtttatt ccaagtggaa tacgccatgg 120

aagcagtgaa gcaaggatct gcagcaattg gactcaggat ctcgttctca tgtcgttctc 180

gcttgtgtta acaaagctca atcggagctt tcttcgcatc agaggaagat ctttaaagtc 240

gatgaccann ncggtgttgc aatcgctggt ctcacagccg acgggtcgtg tattgtctcg 300

gtatatnaga tcggaancga ttangcacnc ntttacntan gaactcncgt cgtcnnngtt 360

gggtcgtccc ggttgtncag cgtgctgnna agccctcacg gtccggtnnc nnaccgatca 420

ngggganaacg acc 433

<210> 12969
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-A7

<400> 12969

agaatgggta ctttctgttg aatgaaaagg gtgagaaaat gaaggagcag cttggtgttg 60

tccgatcaaa ctgcatacat tgcttagacc gtacaaatgt tacccanagc atgataggtc 120

gaaagatgtt agaagttcaa ctcaaaagga ttggagtttt tggcgctgaa gaaaccataa 180

gctcacatct gaattttgac gaacactata aaatattatg ggctaatcat ggtgatgaaa 240

tcagcattca gtactctggt actcctgcac ttaaaggaag atttcgttan gtatgggcat 300

cggactgccc atgggtgtcc ttaaanatgg ttggagctcc ctcagacgcn attacctnaa 360

taactttgct gatggaacna agcangatgc aattgatctc ttgcaagggc actacatanc 420

tngctggtga gccganncat ggctcctgta cc 452

<210> 12970
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-A8

<400> 12970

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cttctacaga cgacaaagaa tcatcggaga aacgagaaat cgaaagcctt gctgcttcaa 120

ccggagctct tcctctgctt aaacgatcct tctccaaact cgtcgattct caaaccaata 180

ctgttccttt tcaatccttg aagcanagtt ttggtttgag ctacgataca attactantg 240

aaggagagca naaagtttca gacttgtttc ccaaattgtt ggagcattta ggatcatctt 300

tagtacattt gttcttcgtg cctgataaag angcgattga gttgggttga gtttgcnaag 360

tggttacgtc aanatgttgt gggaagaatg ttcgaagtcg atgtcnntca gnacnntgtt 420

gagagttnan atgtnacagc taaaaantcn ggcttttcng 460

<210> 12971
<211> 545
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-B10

<400> 12971

nnnnnnngnn nnnnnnggaa ctggtttgcc tgggnnctac cggtcccgga aatcccggnt 60

cgacccacgc gtccgttcan tgggttgaga gagaaaagag taaaaaagca catggcctca 120

ttaccattgg ggcctcagcc tcatgctctt gctccgccgc tgcagcttca cgacggcgac 180

gctttgaaac gccgtcctga attggattct gataaggaaa tgtctgcagc tgttattgag 240

ggaaatgacg ctgttactgg tcatatcatt tccactacta ttggaggcaa aaacggcgaa 300

ccaaagcaga ccattagtta catggctgag cgggttgttg gaacaggttc attcgggatt 360

gtttttcagg cgaaatgctt ggaaactgga naatcagtac cattaaaaag gtcttgcaag 420

atcgacgcta taaaaaccgt gagttgcaac taatgcgacc aaatggatcn cccaaatgtc 480

atcctccttg aancaactgt ttcctccnct acaacgaant nnaagaatga actccttcct 540

ccanc 545

<210> 12972
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-B2

<400> 12972

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ggcggcttca tcacggtgat gtagatggga ggaagtatga acgctatgat gcaacagact 180

ctgaaacttt aagtgaaccc ttgttaggaa gtagtagtac tgataatagt anaaatgagt 240

acattgagga gcgtactctg gaggatattt gggaagaaga acggaanaga cagcaagttc 300

nctgggacgt taanccttt ctcagttgat tncacaagtt gngctcaagt ggaatagcca 360

aaagtaagtc nnttggaatc tgggntcaac ttggttggga agtttccttt cctctgccct 420

aacatttggg tcaaataggg tcctgggtgg ggaagcttct ngccaacca 469

<210> 12973
<211> 53
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-B5

<400> 12973

ccancggtcg tttctgcaan ggcaaattat ccactgatat aacgcgctga gac 53

<210> 12974
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-B7

<400> 12974

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tgtctttatc aggagctgtt ctcagtggca tgggttcttc tttccacaac gtaggagcaa 120

agcagagtgg tgttggtacc gtcagagttg gccggaagag tgagctcgtc gtcgttgctc 180

agcgcaagaa gtcgttgata tacgccgtta aaagtgacgg caacatcctc gatgacctca 240

acgaagccac acgaaggagg ccttggcgga tggcgagaaa acaaaagact acattgttga 300

gaaaaccatt gaagccaatg aaactgcgac tgaggaagct aagaaagctt tggattatgt 360

gactgagaaa ggaaaagaat ccggaaacaa ggcggctgag ttcgtagagg gtaaagcaga 420

anaggctang aatgccncaa agtccngatt caaccactca gttnnnng 468

<210> 12975
<211> 530
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-B9

<400> 12975

ngnnnngnnn nnnggnggaa tggtttgcat ggggtctgcc gggccggaaa tcccgggang 60

acccacgcgt ccgctgatcc ttccaaagaa tctccaaaat ccctaaactt cgaaaatggc 120

agaaaccgcc gagacaatca acaccacgat ctcatcgccg ccaccggaat ccgaaagctc 180

caccactatt tctgcaatga cagatccaac atctcaagaa gcagcctcaa aagacacaga 240

tctgacgaaa gaagccgaat cagagaagaa accaggagga atctctctcc gaatctggcc 300

accgactcag aaaactcgcg acgccgttct gaatcgcctg atcgagacct tatccaccga 360

atcaatcctc tctaagagat acggtactct taaatctgac gatgcaacca ccgtcgcgaa 420

acttatcgaa gaagangcta tggtgttgct tcgaatgctg tgtcgagtga tgatgatggg 480

attaagantc ctgagcttan tctaaagaga ttatnagagg atgcntgatc 530

<210> 12976
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-C10

<400> 12976

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tggctcgcag ccgacggcgt atcgaggctc agatggtgta gatctttctc tccttgaagc 120

acttgagaag tcttcgcata atggagtaga agcgcttgat cttaaaaccc taaaaaagct 180

tgtcctctcc ttcgagcggc gtcttagaga caacatagct gctcgtctca agtatgtgga 240

gaatccagaa aagttcgctg actcagaggt tgacctacac gacgatcttc agaagctcaa 300

ggtgctcgct ggagctccgg gaactttacc cggaccttgt tgcttccaat acggttcctt 360

cgattgtcaa tctcctctct catgaaaact cccgatatcg ccaacgatgt tgttcaacct 420

cctcangatn tgactgacga agatgccttt agangataac gat 463

<210> 12977
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-C12

<400> 12977

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ngtccgccca agcgtccgac ggacgcgtgg gttgtgatcg catagatcga ttccttttgc 120

ggagaaatgc aattgattcg tggcagtaca aggttgcttc agaggcatcg tttctccatc 180

tccaacactc ttcctttcac ttcttcttcn tgtggaagct ggtctgctaa tgaatcgagg 240

aagctaggct ttgattcntt ccctagtact agagctgcga catatctcat tagntcgttg 300

aaaaatgccg gcttttcctc tttggcagta gtacctannc aaaacttttc gtcgangtgt 360

ttttccacca ctggaaattn ctgttcaaag gatnccccctg gagtcncatt gntgttggtg 420

ncctcanaga antcnanttt aaagcgggct tgatnaaaac cgctaagcnc attaagccca 480

ttgt 484

<210> 12978
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-C3

<400> 12978

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gcactgctcc gatgaggaga aggcatctgt tttcagtgag gttcttccac aagcttcaaa 120

attgatgact gacgtttttg gaaattatgt catccaaaaa ttcatagaac atggaactcc 180

ggcacagaga gaagaacttg tgaagcaact tgctggtcag atggtttcac taagcttaca 240

aatgtatgga tgccgtgtga tacaaaaggc ccttgaagtg atagatgttg accaaaagac 300

agaactaatt cgtgagctcg atgggaatgt gctgaagtgt gttagagatn aaaacggaaa 360

tcatgttatc caaaaatgta tcgagagtat gcctgctggg tangattgga ttcgtaattg 420

ctgctttccg tggtcaagtc gcactcnttc tactcatcct tatggatg 468

<210> 12979
<211> 68
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-C4

<400> 12979

ngaagatgca gacaggcaaa gcgccgcttt caagtttcct tcanctccnc tgaagtcttg 60

acctgtga 68

<210> 12980
<211> 357
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-C5

<400> 12980

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tatggccata ctcgtaatga catctcaagg aaggattcca acagaaggag gagagaaaga 120

agcagaggct gacagaatta cgtcacttcc aggtcagcct aacgtcacgt tcgancagtt 180

ttccggctac gtcaccgtcg ataaactctc cggaagatca ntcttttatt ggctcantga 240

ngcttctgac ctccctctct ccaaaccnct ngtantttgg ctnancngag gaccgnggat 300

gttcgtcngt agcgtacgcg tgccgtcnga ggatattgga ncantcangg atanngc 357

<210> 12981
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-C6

<400> 12981

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gcgcagattt ctcaatcttc tatagttgta gtttcgaggc ttatcaagat acactctaca 120

cacattctct aagacagttt tatagagaat gcgatgtcta tggaacggtc gattttatat 180

ttggaaacgc ggcagttgtg tttcaaaact gtaatttata cccgaggaaa ccgatgccaa 240

atcagttcaa tgctatcacc gcccaaggcc ggtctgatcc gaaccagaac actggtacat 300

caatccaaaa ctgtacgatt aagccggcgg atgatcttgt ttcgagtaac tatacagtta 360

aaacgtattt gggtcgaccg tggaaagata ttcaaggacg gtttacatgc aatcnt 416

<210> 12982
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-D1

<400> 12982

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ttcggaaaga gaagaaacaa gagtcacaca ctctgtgtca gatgtggccg tcgcagtttc 120

cacatccaga agagtcgttg ctctgcttgt gcttatcccg ccgctcgcaa gaggacttac 180

aactggagtg tgaaggcaat ccgtagaaag actactggaa ctggaaggat gangtatctt 240

cgcaatgtgc ctcgcangtt caagaacggt ttcaagagaa ggtancgaag ccaagccaaa 300

ngaacaangg aattgcntca tcagcttaaa ctttgttttt gagcatcaaa gggaanagag 360

aaatcctgan tttgttggtt cacaagatta ctactccnna agtgtctgaa ttaangacta 420

nccttttggt gtgggtcctt tgccgttttt aaagttttgg acag 464

<210> 12983
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-D4

<400> 12983

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tctgtagttt ttctcacaat cgccggtctc taccttcaat attcagtttc aacaaagagc 120

gtgtctcacg aagagtcttc tgtagctcca aagagaacga tataaacaga gatcggaatc 180

agtctacagg aattcaagtc tacggcgaaa tccgaagagg ttattaacag agactgtaaa 240

aaattctcan gagtagctcc ggtgggatcc tctgattggt cagaagttga gggagcatgg 300

gtgctgaaac caagaaactc gaaaccgaag atggttgttc atttcattgg cggtatattt 360

gtcngtgcag caccacagct tacntatcga antgtttctc gagagattag nggagaagga 420

tgttttggtt ag 432

<210> 12984
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-A6

<400> 12984

caaacaaaaa aacaaaacaa aacaaaaacc aaaaaaacaa aaaaataaat ggcaagaatt 60

tcactaggga tatgtctgat gttagtagta gcatcaagtg tgatctatga agcgcaagga 120

acgttcttac taaaccatta cttgaagaag aattttccaa aaaaatgcaa cgagtttacg 180

ccttacgcta acaagggtat gataacgttg gtgaccgatc tcgaaggtag cagtccggcc 240

actacagagt tcaagacttt ctttacacag ttcaagtctt acatgtcctt ccatccaaga 300

caacatncgg cctcaacaaa aaatgttgat gccgagatga cagctaaatg tgacggtctt 360

ttcaagggcc atgtctgcat tgagtgctat aaagggcgtc aaatcagcgg atgctgggag 420

tatgaagatg accatgttgt cgatgggaaa gacttggttg agcagaanaa 470

<210> 12985
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-F3

<400> 12985

taaatctaac ttaaagcatt gtactttctt ttatctcatt ctcctttgct ctgctttctt 60

ctggtcaacc cccacgagat tccttcttat gtgattgtaa agagaagatt tttcagagat 120

gggtctcttc gaatcggtga aatcaatcga ttgggaacaa gaatcgttcc caacttatca 180

agatttaggg tttttgcctc tctttgcagt gttcttccct acaattcgat ttctacttga 240

cagattcgtc ttcgagaaat tggcangtcn tgtgatctat ggaaggatga agtacgaagg 300

aagagtgnca nnanangnng acagggnana angaanagtc caaaagttcg anangtttaa 360

aggaatcagc ttggnaagtg tagttacnaa ncngatcagc cngagcctac ttgcctttan 420

cctgtcacaa t 431

<210> 12986
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-F5

<400> 12986

tggtacggaa gatctaactc tggatgaaga tttaacttta acaaatccaa tagagaaact 60

cgttaacttt agcatgtcca acattgacna ggggctttca atgagcgaaa caattctaga 120

gcaacttgaa gactttccca aacataaagt ccgctcaana tatgtcaata ntatcctagg 180

gaaggatgtg tataanggaa atgcttcaaa aggcgtattt cttgctaaca atggttcang 240

acttcnctct gaaccaggaa ccatcaactc actcagtaat gcnnnanang angatgatag 300

gtgctganag gtttgcttnt acacaccngg tccaganatc aacatctggg ncncnttaat 360

ttcaaanagg ganaacccac ctgagatcna cngcca 396

<210> 12987
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-G10

<400> 12987

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tgacggtggc gaagagtgcg ttggacgcga ttagagagaa angtctcggc ggtttcatga 120

ngatgatccg agaagaaggc ttcatgagat gcctaccaga tgggaacctc ttgcaaacta 180

anatacataa cataggagcg acacttgttg gtgttgacaa gttcnggtaa caaatactac 240

cagaagctan gcgatactca ntacggtang cacagatggg tagagtatgc ttcaaanggt 300

tcgttacaac gcaatctcaa nntccaanct gaattgggaa cggggtggct tccatttnat 360

cacnanttac acttgggaat aaccnctnga atttggaaac caaaaaaggt ttgggccttg 420

anccataagg naaacttncc tgggnaaaag gggnatc 457

<210> 12988
<211> 73
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-G11

<400> 12988

gcnttctcaa caccaccant cacagtctga tgatgctcct gagagagacc tggcacatgg 60

ttttcaagcc atc 73

<210> 12989
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-G3

<400> 12989

ggtttagctt ttttgtaccg tacatcttct tcccagaaac atggctgagg cttctgattt 60

gttggaatgg cctaagaagg ataaccgtcg ttttctccan gttgtctacc gcgttggtga 120

tcttgatcgc accattgagt tttacactga ggtctttggt atgaacctgt tgaggaaaag 180

agatatccct gaggagaagt attctaangc ttttcttggt tttggncctg aaacatcnaa 240

ctttgttgtg gagctcacat ataactatgg tgttagctca tatgatattg gaactggctt 300

tgggcatttt gccatttcaa ctcaagatgt ttccaaactg ggttgaanaa cgtccgtgcc 360

aagggtggaa atgtgactaa gggaacctgn gtccagtcaa aaggtgggaa gcanttgtca 420

attgcgtttn g 431

<210> 12990
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-G7

<400> 12990

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tcttctaaat tgttgatgat cgcttctcat atttgaccct agagacaaca tcatttctac 120

cgacaaagat ttgatatcga atccaacaag tgaaagatgg gtctatcaag tcttcctggt 180

ccatcagaag gaatgttatg tgtgatatta nttaatacag cattatcgat ctccattgtc 240

aaaggcattg taagatcatt ccttggcata gtaggaatca gtctcncgcc gtcttcatcc 300

tcgccttctt cggtgacngg tatcgtcaga gaantcatca annttcaaga gtcatttgan 360

ttccgggtcg gcnaanccag gngaagttac cntgaggaag ntcaagganc cgggctccgn 420

nnactgaagg tttgaggagc ttgtgg 446

<210> 12991
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-H1

<400> 12991

ttttgaatan attatatata acaaaaatag tattttaaga gatcgtcgcc tacgatggct 60

tcaaaagcat tgctttttt aagtctcatt gttgttcttc ttatancttc tgaggtggta 120

gccagagacc tcgctgagaa atcggcagag cagaaaaaca atgaaagaga cgaagtaaag 180

caaacggagc agtttggcgg gtttccagna ggagggtatg ganggttccc gggaggangg 240

tatggaggaa accctggtgg gatgatatgg aaaccgtggt ggtggntata gaaaccgtga 300

tggaggatat ngaaaccgcg gtggaangat atgggaaacc gaaggaagaa ggatattgtc 360

gctaatggnt nctggctaca aganggctac taaccgggng ggctgcctcc aaggngttgg 420

tncntaancc cgggtcaggc tgttcaaanc tcnagnccag gagaattnct ngngng 476

<210> 12992
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-H10

<400> 12992

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gagaggagca gttgttccaa gagtcaaaag acaaggagag tgtggaagtt gttgggcgtt 120

tgccgcgact ggagcggtgg aaggtataaa ccagatcaca accggagaat tagtatcttt 180

atcggaacaa gaactcattg actgcgatag agggaacgac aactttggat gtgctggtgg 240

tggagcagta tgggcctttg agttcattaa gggagaacgg tggtattgta nccgatgaan 300

ttnanggtta taccgntgaa natactgccn catncaaggc cattgaaatg aaancaaccc 360

gggtggtaac cattaanggn catnaaggtn tcccggtaac naagaaattc cttgaaaaaa 420

gccgttgcct aacaacctaa taatgttatg aa 452

<210> 12993
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-H3

<400> 12993

agggtttcag agatcggctg attttcacat ccacaagtat ggcgactcaa atcagcaaga 60

agagaaagtt tgtagcggat ggtgtattct acgctgaatt gaatgaggtt ctcacaagag 120

agctagcaga ggatggttac tctggtgttg aggttagggt tactccaatg aggactgaga 180

ttatcatcag agctactcgt actcagaatg ttcttggtga gaaggggagg agaattaggg 240

aattgacatc tcttgtccan aagagattca agtttccagt tgacagtgtt gagctctatg 300

ctgagaaggt taacaacaga ngtctctgtg ccattgctca nggctgagtc tcgacgttac 360

aangcttctc ggtggtcttg cctgttcgca nggccctgtt atggtgtttt gagatttgtt 420

aaggagagtg gagnctaagg gatgtgag 448

<210> 12994
<211> 54
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-H4

<400> 12994

agtttttttt ttttttgagg gggaangatt tctgggtttg cncctagggt tttg 54

<210> 12995
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-H6

<400> 12995

atcgttcatc gtcttccttc tctctctctg attctctcat tcgcgaattt caaagctatg 60

gcggatacgg tagagaaagt tcccaccgtt gttgagtcat cttcatcatc caccgttgaa 120

gcatctaata gcgccgagaa gactgagccc acgacggaga agaaaaagtg gggcgatgtt 180

gaagatgatg atgatgaaga agaagctgta tcggagctta attcattgag cattaaggaa 240

gaagagaaac ctgattctat tcttgaggaa cctgaagatt ctaacatcaa agctgttact 300

tctggtgaca caccatatac atcagcangt agatttgang acttgnactt gtcanctgaa 360

ttgatgaaag gcttgtaggt tgaagatgaa attcgaaaag cctagcaaga tcaangntan 420

taatttgccn aagagaatga cgccgcc 447

<210> 12996
<211> 377
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-H7

<400> 12996

caatctccan aaaaggggag aagcaaaaat ggtttctctg aagctccaga agcggctcgc 60

cgcatcagtg atgaagtgcg ggaagggcaa agtttggctc gatcccaacg aaagctccga 120

catctccatg gccaattccc gccaaaacat caggaagctt gtgaangatg gtttcatcat 180

cangaagcca nccaagattc actctcgttc cagagctcgc aaaatgaaga ttgccaatat 240

gaagggtcgt cactctggnt acggtaanag gaagggtacc cgtgaagcta ngttgccanc 300

anangtactg tggangcata ngatgcntgt tcctaggcgt ctgttganga nntaccagtn 360

nagacgaaga ntatttg 377

<210> 12997
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-H8

<400> 12997

gaaaacgtta aatgatcttc tcctccgatc attagtctct ttaatctttc tcagcctctt 60

cttgttcgtg atctctcttc ctccggaaaa agatgtcggc cggtaacgga aatgctacta 120

acggtgacgg agggtttagt ttccctaaag gaccggtgat gccgaagata acgaccggag 180

cagcaaagag aggtagcgga gtctgccacg acgatagtgg tccgacggtg aatgccacaa 240

ccatcgatga gcttcattcg ttacagaana aacgttctgc tcctaccana ccgatnaacc 300

aaaacnccgc ccgctgcttt tgcccgccgt ctccgaggaa ggagcgtcan gaangattca 360

agcttcantc taatcaagtt gcatccgntt agcatcggtt taacgannaa gagtcaagga 420

ccaaaaggtg ggttgaagan ggagattccg gcgggaaaaa gnaagaaccg gg 472

<210> 12998
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-A11

<400> 12998

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ctcggtcatn gtttcntgaa attccactgt tattagactc ttgactctgt tttgtttccc 120

gccgatctcg tgatgatggc caccaccacc accaccacca ccgctagatt ctctgattca 180

tangagttca gcaacacaag cggcaatagc ttcttcgccg ccgagtcatc tcttgantat 240

ccgacggaat ttctcacgcc accggaggta tcagctctta aacttctgtc taactgcctc 300

gagtctgttt tcgactcgcc ggagacgttc tacagcgatg ctaagctagt tctcgccggc 360

ggccgggaag tttcttttca ccgttgtatt cnttccgcga gaattcctgt cttcaaaaag 420

ccctttancc aacgtnaann gaacnaaaaa tctccancac cggtgaagnt ncagctgaan 480

gnagatngcc agagattacg aaatncggct tganccg 517

<210> 12999
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-A3

<400> 12999

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tgtgggaagc cactaacgtc tatgtagaga tgagcccatt catgtctgcn aataaaatca 120

agaagccaat cttacttatt catggtgaag aagacaataa cccaggaact ctaacaatgc 180

agtcagaccg attcttcaat gcactaaaag gccacggcgc tctttgccgt cttgttgttc 240

ttcctcacga gagccacggg tactcagcac gggaaagcat tatgcacgtt ctctggggaa 300

actgaccgtt gggcttcnaa aatactgtgt tcaaaacaca tcaagatgca cgatacaant 360

cccgnnncaa gtccaanaga aaggtcaaga ttctgcagac aaagttatcc accanggaac 420

nggtgggtgg naaanccgga gntttggtna agcatnnaag ttcactccaa ncctccagg 479

<210> 13000
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-F2

<400> 13000

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agaaaaaccg gattcaggtt tccaacacta agaaaccatt gttcttctat gtcaatctcg 120

ccaagaggta tatgcagcag tacaatgatg ttgaattgtc tgcccttggc atggccattg 180

caactgttgt tactgttact gaaatactga agaacaatgg ttttgctgtt gagaagaaga 240

tcatgacttc aactgttgat attaaggatg atgcangagg acgtcctgtg cagaaagcta 300

agattgagat tacgcttgtg aagtcanaga agtttgatga actaatggct gcagccattg 360

aanaanaaga agatgcagaa ncccaggtgc agaactgaaa atngccttta actaatttgg 420

ggntccntga tgctnaatcn annaaang 448

<210> 13001
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-D4

<400> 13001

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accaattgga gtcttttatt atagtgttag tantagattt agttctggaa atgagtattc 120

tactgtggca agcaaattcg aaactttgtc tcagtacaaa agctctgtac cgtctggtta 180

cacaagcctt gttcgtggtt ttgggaattt catacggagt tttagttcgg aagctcctcc 240

tgctgtatct gaccaaatga gtcttattaa gcaacttagg gaaagaacta gtgctcctat 300

taaagatgtt aaggcttctt tagttgaatg caattgggat cttgaggctg ctcaaaanga 360

tttngagaaa ngagagggaa aattttggct ccaaaaaatc gtcacggact gctgcaaaaa 420

ggatgcntgc cttttg 436

<210> 13002
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-D8

<400> 13002

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acagaagaga aagtgaagaa ccatgataac aaagaagagg aacacaacan ggctgagaaa 120

gctgagaaga aggagaagaa gaaggataaa gataanaagg ataagaacga ggacgataaa 180

aatggtggag gagaagaagg ggaagatcaa gagaagaaga gcaagangaa agatangaaa 240

gcgangaaag agaagaaccc tgaagataag aangatccag agaagttgaa gatgaaagct 300

tcagaagatt gangaaaaga ttcaagctat ggtcttaaag aaagatgaga ttgtgaagct 360

tattcatgat gctgaacaag ctaagcctag tactgctgca gtagatgcac caccaccaac 420

taactaattc aaatacacag attatanact acaatangt 459

<210> 13003
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-D9

<400> 13003

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gagaaacctt tggttcaggt tctgagcgac gacgacagtg aagtgaagga agccaaagac 120

ggaggaggtg aagaagttac cggcggcgac ggtgaaggag aggctaatgt agaagaggaa 180

gacgacgaag cagaaaatga agacgatgat gatgatgatg atgatgatga tgacgacgac 240

gaggacgagg acgatgaaga aggggaggag gatcttggga cagagtacct agtgaggccg 300

gttggtgagg ttgaagatga agatgatgca agtgattttg accctgagga gaatggcttg 360

gatgaagaan aangtgatga agagatttga anaagatgat gttgatgaag acatcaacct 420

gaatgctggc aaatctgaan cctctgg 447

<210> 13004
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-E11

<400> 13004

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cattgtgtga acagaacaca aatcaacaca acacacacaa ctttgtgttc tttaagtttt 120

gtttcagaga tcaatggccg ggactggatt gtttgctgag attcttgatg gagaagtata 180

canatactac gctgatggtg agtggaaaac ttcttcctca ggtaagagtg ttgccatcat 240

gaacccggcc acgaggaaga cacagtacaa ggttcaagca tgcacgcang aagaagtgaa 300

cgcggtgatg gaactggcga aatcagctca gaaatcgtgg gcgaaaactc ctctttggaa 360

aagagctgag cttcttcaca angntgcagc aatccttaan ggacaacaaa agctccaagg 420

ctgagtctct tgttaaagaa atcnctaaac cc 452

<210> 13005
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-E12

<400> 13005

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cgttgctgag aaaggagacg aagaagggcc tttggttctg ttactccatg gtttccctga 120

gacatggtac tcttggcgtc accagatcga tttcttgtct anccatggtt accacgtggt 180

cgctccagat ctcagaggct acggtgactc cgattctcta ccgagccacg agtcttacac 240

tgtgagtcac ctagtcgctg atgtcatcgg tttactcgat cactacggca ctactcaggc 300

ttttgtggct gggcatgact ggggagcaat catangttgg tgtctatgct tgtttagacc 360

agaccgagtc aaaggttcat aagtctctcc gttccatatt tcccangaga ttcaaaaact 420

caaaccttca nanttttca aaaattttg 449

<210> 13006
<211> 532
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-E4

<400> 13006

nnnnnnnnng gaantggttt gcctgtggcn ctacggctcc ggaaaatccc gaagtcgacc 60

cacgcgtccg cggtanctaa atgtcgaaca ccgtcgaaga tgacgacgac gacttccaga 120

tccctccttc ctcacagctt tcgattcgaa aacctcttca cccaaccaac gctaacaaca 180

tctctcaccg ccctcctaac aaaaagccca gactctgccg ttacccgggt aaagaaaatg 240

tgactccgcc tccttctccg gatccggatc tcttctgctc ctcttctact cctcactgta 300

tcttagattg tatcccatct agtgttgatt gctctctagg agatttcaat ggtccaattt 360

cttctcttgg tgaagaagat aaagaggata aggacgactg tataaaggtg aatcgtgaag 420

gttatttgtg taattcgatg gaggctaggt tattgaaatc gagaatttgt ctcgggtttg 480

ataagtggaa tccatgagga tgatgaaggt ttgttgagtc taactcctga ag 532

<210> 13007
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-046-Q1-E1-E6

<400> 13007

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agcaactcaa gacttcttgt ttctggtgat cataacggaa tggttcgcct ttataggttc 120

aaacctgagc catacctaac agaaaacagt tttatccctt tccaaggaag cttaaagaaa 180

ggaaataacc atattgttca aagtgttaag tacatcaagc ttactggttc cataacctgt 240

attcagaaga gccaaaactc aaaacatctc gctattggat cagatcaagg acatgtttct 300

ctggttgaca ttgaggaagc aaatgtgtta tacacaaaac acattgcaag tgatatatgt 360

ccagggatca tctccttgca attcgagagt tgcattgtgc aaggcttcga gaagaacgtg 420

ttaagtggtt gctatgagag actcgtcg 448

<210> 13008
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-046-Q1-E1-E7

<400> 13008

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caatcatttg aaattaaatt caattcttcg attcttccga gctggttctc gaattgggtt 120

tgctgcaaat tgtgaatcca ataaaatttg ttcgtgttgt tgtgttgatg gtgatttgtt 180

agggttgatc cgatcaaaat ttcaattttg tatcgtaaaa cgatgaggtt tctaagcctc 240

gtcggaaact cattcggttg ttctgcgtcc ggcgaacgct tagtatcagc ggccaagaga 300

cggtgattta caggaagcta aagctctctt aagattacaa tccaagactc gctcgttact 360

ctacttttgg cgttcgtaac tctcctcttc attactccgc cgctcaaggc caccacgaga 420

tagtttctcc tgttgggtgg gatcaagagg 450

<210> 13009
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-E9

<400> 13009

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cctagcaatg atcggcgttt catatgccat ggacatgtca atcatctcct acgacgaaaa 120

ccaccacatc accaccgaga ccagccgtag cgactcggag gttgagagaa tctacgaagc 180

gtggatggtg gaacacggga agaagaagat gaatcaaaac ggtcttggtg cagagaaaga 240

tcaaagattc gagatcttta aagataatct tcgtttcatc gatgaacata acaccaaaaa 300

cctcagttat aaacttggtt taacccggtt tgctgattta accaatgagg agtaccgatc 360

tatgtacctt ggtgctaaac ccgaccaaag anggttttga aaaccaatga tcgtatcaag 420

cgcntgttgg tgacgcgcnt cctgaatccg gttgac 456

<210> 13010
<211> 521
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-F10

<400> 13010

ntgggtttgc cttggcgtan ggcgtccggg aaatcccagg tcgacccacg cgtccgctcc 60

antctctcat cagcaccatg ctttctctaa cngnaacaac tctcagttcc tccattttca 120

cacaatccaa aacccatgga ttcttcaata cccgacncgt ttaccgaaaa cccttcacca 180

ccatcacctc cgctttaatc cccgcttcaa accgtcaagc tccancanan cancaactct 240

atcaaccatt ccgtccacca ccatcaccan tccctcgaan gttccgatca ctcgacaccg 300

ccggaaaant cgaagtcctc gctgatcgtc nnggtctctg gttcgaatac gctccacnca 360

tntcctcctt atacactgaa aggattcact cctccatcaa tcgaanaact caccggaatc 420

tccggtgtcg aacagaacag tctcatcgtc ggngcgcaag ttcgagactc tttagttcan 480

tccgggtgcc aaaaccgggg gcttataact gcgtttggca a 521

<210> 13011
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-F12

<400> 13011

aacanatcat taacgatcgt gagactggna gatcaagggg attcggattc gtcaccttca 60

aggatnanaa agccatgaag gatgcnattg agggaatgaa cggacaagat ctcnatggcc 120

gtagcatcac tgttaacgag gctcagtcac gaggaagcgg tggcggcnga ngccaccgtg 180

gacgtggtgg cggtggatac cgcagcggcg gtngtggagg ttactccggt ggaggtggta 240

gctacggagg tggcggcggt agacgcgagg gtggangagg atacagcggc ggcggcggcg 300

gttactcctc angacgtggt ggtggcngaa actacngtgg tgnaagacgt nagggatgac 360

gangatacng tggtggtgaa tgatgaagtt acggnngaag ccgtggtggt tggaggatgg 420

tnattccttt aattaagttt gggaatacca atna 454

<210> 13012
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-F3

<400> 13012

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cacaccgaaa tcttctccct anttctccga cgtccttctt cttccttctc cggtcaacac 120

cgaccggttc tccacggnga ctctcgtctc ccanttttt tttttgtacg gctactttga 180

tcgatcgcca atgctgaatt tcaaagcctt ctccgtgtca nttttttcngg aactgggaat 240

gtgagcttcc atcaattgag agttgaaaag ttgactccta antaaaacct ganaaaagag 300

aagagagatc cttcntttaa ttaatagaac aagatttggg ttttantcaa gattaataag 360

tcgagatcan cgnggggcaa ctttaaaact aaaaatccng gggtttccaa ngnggggatt 420

aaagcnccca 430

<210> 13013
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-F5

<400> 13013

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tggacaatga acgccatata cgatatctgc aggagatctt tagacattga gaggcctaca 120

tactccaatt tgaaccgctt gatctcccaa accatctctt cgcttacaac ttctctaaga 180

tttgacggtg ccatcaatgt ggacatcacc gagttccaga ccaaccttgt accttaccct 240

cggatccact tcatgctctc ctcttatgca cctgtgattt catctgcaaa ggcctaccat 300

gagcagtttt cggtccctga gatcacgact tccgtctttg aaccctccaa tatgatggct 360

aaatgtgacc ctangcatgg caagtacatg gcttgctgtt tgatgtatcg tggtgacgtt 420

gtgcccaagg atgtcaatac agccgttgct gccatcaaag ccaaacgagc naantcagtt 480

tgttgactgg gtgcccaact ggattc 506

<210> 13014
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-046-Q1-E1-D3

<400> 13014

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ttctttttctc ccgtgataga aatctgagat ttgtaaattt tcttctttta gcagcttttc 120

caatctgggt actgcaaatt cctactaaat cgtgctcaag aaccttactt gcggagatcc 180

tgatttagct cccagagttt gcttagtttt gatcaaattc ttggcctccg agcttatctc 240

aagtttggtt aaagtacttc tttgcagatc tctgttgttc agttgcgtta aaagtggttt 300

ctttaagatt ttaaaaatga tggagagaaa acgagaaatg gggattgctt atttcgcgcg 360

taggattaaa cagccacgag ggatttgggt gaagatgacg ttcataattg tttggggtct 420

ctgcttcgtc cttcctctgg tccttct 447

<210> 13015
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-B7

<400> 13015

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ccaacgtaac tacctccgcc gtcancggaa atctcagatc ggatgctcac cgtctccggc 120

cacaaccacc gtaatcgcca ccatcaacaa atcgatctac agatgtcanc gaacttttct 180

ctgtttgttt tcncgtcacg caacaaaagg attcaaaatc ctcaaacctc gcgaagattt 240

tcagaattct ccgtattcat tgtttcacga aagatctggt anatcattcg acgagacgaa 300

gaagacgatc gtgttagatc tagacgaaac tcttgttcat tcatcaatgg agaaaccana 360

agtaccgtat ganttcgtcg tgaatcgcan ggntcgacgg gcagattntt aacgtttttc 420

ggtgatcaan cggccagnaa tcgaaggagt tttttgacg 459

<210> 13016
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-B8

<400> 13016

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tgcaatggct cctgcttcac tctccccaag ccctagttcc gttagcccgc atgagtacag 120

ttccatgttt cacccattca acagtaaacc cgangggtta caagaccggg attgttccat 180

ggatgtacat nagaggagat acgtctcttc tgcaaccgaa catagtgcaa taggcaatca 240

cattgatcag cttattgaga agaagaacga anatggctat tcattatccg tcgggaaaat 300

tcagcaatct cttcaacgag aagccgcttt aaccaaattc cgaatgaagc gaaaggacag 360

atgttatgag aaaaaggttc gttacganag ccggaagaaa tttagcagag caacgacnac 420

gaatcaaang ccaattcgtt cgtcaaagtc a 451

<210> 13017
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-C1

<400> 13017

tntggtcncc tagggacccg gnaatcccan nancgaccca cgcgctccga ttaacactta 60

atttttcttt tccttttcat tattttcttt tattttgtaa cagaaataaa agaanataaa 120

agaaaatana aagatgggtt acatttcaat gtccgtggtt gcattccttg ttgtttttgc 180

ttcgccggtg gttctagcca ccgatacaga tccgattcca gaaaacagag cccaaatccc 240

gcantggttt anaanaaacg ttaaaccata ttcccaagag aaagggcacg ctagaccccg 300

ccctcgaagc tgctgaaanc agcgcgacaa attatcaacg tgaatcanaa angtggcgct 360

aanttcanga cattannang acagctatca tgagcattcc ggacanggaa aca 413

<210> 13018
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-C10

<400> 13018

tntctcantc aattcaattt ttaatgtaat ttcttgtttg atttttctat tttcttcgag 60

aaaacaaaat tctcctgtaa aatttaatat tataaaagtg gtttcttttt canttatgtt 120

natataattt tcatctttaa tcttaaattc tggtaacctt aatgcgcgat ccgcttttca 180

aaagttttgt gagagagaag agatctaaaa aaatccacaa ttttgttcaa atcttggagt 240

taaatgctga attttaggcc ttgttgctta aatttatggc ttaaagtttc aaacttttca 300

ttgggatatg gtacaaatct tgtagttaaa cactgaattg tgtccctcgt gggcgttgtt 360

gctttgattt aaggccaaaa gtttcaaact tgggatatgg tacaacctgt agttanacac 420

tgcattgtcc cccctgggtg ntgttgttgc c 451

<210> 13019
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-C11

<400> 13019

tantatctga ngttttagag aaaaacaacn tanccggtgc cattttacg gccatgtgtg 60

gtggtgctga aattggtgaa gcaatagcca aagacacacg cattcccttа gtatccttta 120

ctggnagctc cagggtgggc tcaatggtac aacaaacagt gaatgcgaga tntgggaaaa 180

ctttgcttga gttgantgga aacaatgcaa tcatagtcat ggacgatgct gatatacant 240

tagcggttcg atctgttcta ttcgctgcgg ttggnactgc tggtcaacgt tgcacaacnt 300

gccgtangct gcttttgcat gaagantgtc taagacaaag tactcnagca accgccttac 360

ctcatacaaa caagtcaaaa tccngnaatc ctccttgaga aanggacatt gntaaggacc 420

aattacatac tcctgaaatc aaaaaagnac 450

<210> 13020
<211> 532
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-C2

<400> 13020

nnnnnnggnn nnnnnggaac tggtntcctg tgcccacgcc ccggaaatcc cgagtcgncc 60

cacgcgtccg cccacacgtc cggcgatctt caaccgaaga gaacgagaat gtgcgatctt 120

caaccgaaga gaacgagtat gtgcgatctt ccaccgaagc tggtagggga gaagatcctc 180

acgaggattc cgataacatc tctgagagcg gtgcgatcca cttgcaaatt atggaacgct 240

ttaaccaaag atcgggttct gggtaaagca gcggcgcagt ttttggggtt tatgacgatg 300

gattcaaagg tctgttcagt tagattccat ctccgtcgca gcaaggagga agaagaagac 360

acgatggatc tatctataaa gcaggtagat ttgcttaatc aagtcgagat atctagggtg 420

tatcactgcg acggcttgtt gttatgcgtg gctaangaca actcnaaggg tcntggtttg 480

gnacccttat ttggggcaaa caagatggat nagacccaga acagaatcca ac 532

<210> 13021
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-C4

<400> 13021

aaattctgag cgtggaggac aaggcaaaat tcggtgtgca aggcactgga tattgggacc 60

cttgtttcct cgtgagagaa ttttcaatcc tagggcttaa agagcacgtt cctagtataa 120

agctgattca cagatgcgga gattcttgat taaccaagct aaaggtctcg tcgaccattc 180

tcgtcgtcaa catcaccaca aaagtccaag ctttctctct cctcaacctc gtccccttgc 240

ttcttctcct cctgctctgt ctcgtttctt ctcttctact tcggagatgt ctgcttctga 300

ttccacttct tctcttcccg ttactcttga ctccatcaat cccaaggttc tgaaatgtga 360

gtatgctgtt cgaggagaaa ttgtcaacat tgctcagaaa gttacaaaga agacntgaag 420

actaataang gatgcntatc ccnttgatga gataatcca 459

<210> 13022
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-C5

<400> 13022

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ctctattttt tttgcacaag caacatttag cttctgcaaa cnccagttca tctctcaacc 120

ctcatatcgc cgtgttttct cgctctagta ccgcgagctc ggacgancca ggaagcaatc 180

cgttaatcta gaagcggtgt tganaagatg acgattacat caaatatctc tgtacagaac 240

gatancctcg ttgttcaagg gaagactatc cttaccanaa tccctgacaa cattanccta 300

actccggtta ccggtaatgg attcgtttcc ggttcattta tangcgcgac gtttgaacan 360

gagcangagt cttcatgtgt tccccatcgg tgtattggan ggtcttcggt tcatgtgctg 420

tttccggttt aagctatggt ggatgactca gagaat 456

<210> 13023
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-046-Q1-E1-C7

<400> 13023

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ttcgtctact cgaggatttc aattttggtc atacaagaga agcgaagcag cgtcgccgtt 120

caagacgagg tacagagaaa acgaagaaga agaagatatg acgattaaac cggcggttcg 180

tatttccgac gggaatctaa tcatcaaaaa ccggacgatt ctaaccggtg taccagataa 240

tgtcatcacg acgtcagcat cggaagctgg accggtagaa ggagtcttcg tcggagctgt 300

atttaacaag gaagagagta aacacatcgt accgatcggt acgcttcgca attcccggtt 360

tatgtcttgt ttccggttta agctctgggt ggatggccca gagaatggga gaaatgggcc 420

gagatattcc ctacgagacg cagttcttaa tggg 454

<210> 13024
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-C8

<400> 13024

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caaaggattt cgaagtaata gaggtcatat ttgacgttga acactgctta caggcgtatg 120

ttggggtggc taaggatttg aatgctatca ttattgcatt tcggggaact caagaacaca 180

ggttttattc tagtcattgt aatctaaaag ctactccttc gcataaactt ggttaatgct 240

taatcaatcc aaaacttgtg cagcatacaa aattgggtct cagacttgtt ctggaaacag 300

ctcgatctga attaccctga catgccaaga tgcaatggtg caccatggct tttacagtgc 360

ttatcacaat acaactttac ggcctgcggt tttggatgca ataacacgag tgaaaaaagt 420

ctacggggcg aacatcanca tcatagtgac g 451

<210> 13025
<211> 527
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-D10

<400> 13025

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cagtagggtt gaagcgggat agtacgccac ctctatctct ctctcaccct atcgaactcg 120

cgaagaacat cttcttcttc ttcttctccg tcttcgtctt cgcgagctct ctcagtagcg 180

caataaaatg ggggcttcgc ttcctcctaa ggaggccaac ctcttcaagc tcatcgtcaa 240

atcatatgag actaagcagt acaagaaggg actcaaggca gctgatgcca tattaaaaaa 300

gtttcctgat catggagaga ctttatcgat gaaaggactg actctaaact gtatggaccg 360

caaaactgaa gcatatgagc ttgttcgact tggagtgaag aatgatatca aaagcatgtt 420

tgctgggcat gtgcttggtc ttttgtaccg gtcagacaga gagtatagag aagcaatcaa 480

atgctaccga aatgctcctt aagaatagat tctggataac cntgaaa 527

<210> 13026
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-046-Q1-E1-D12

<400> 13026

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ccaatgtttg gaggcacttt cactgacatt gtcgtgtgga tattctaccc tttcaacggt 120

aacgcccgcc tcaagttttt attcttcaag agcctgtcgc tgggggatat cggcgaacat 180

attggagact gggaacatgt tacgttgcgc atcagcaact tcaacggaga gttatggcga 240

gcatacttct ctgagcacag tgggggaact ctagtggagg catgcgatct tgagtttcaa 300

ggtggaaaca aacttgtgag ctactcngtc tcttcacgga cacgcaatgt tttcaaaacc 360

aaggacttgt gttgcaangc gatgacngaa acgnataang gaacgacatg gcaagaaatt 420

acaaantcnt tgangcaagt gttgcct 447

<210> 13027
<211> 533
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-D2

<400> 13027

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gcgtccgcga agcagaagcg gcgcatctga antcccaaac gaggtgacga tgacgatcga 120

ttcgcagcaa anaacganca aattcagatg gggggaaatg gacgaagacg aagatctgga 180

tttcttgctc cctcccaagc angtgattgg tccagatgag aatggtttga agacnacgat 240

cgagtacaaa ttcaacgatg aataaaataa ngttaagata acgactatga cacgtgtccg 300

caagctagct tctgctcgac tcaacaaacg agccatggag aggaggaact ggcctaagtt 360

cggagacgca nccaatgagg aanctggtag ccatctcact atggtttcta ccgaagagat 420

ccttctcgaa cgaccccgag ctcctggtac caaagcggat gaatcanagg gaacangaga 480

tggcttgtct canctgggta aangtggtgc aattctcaag ggtgtgcang ata 533

<210> 13028
<211> 532
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-B4

<400> 13028

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cgcgtccgcc cacacgtccg ctgagtttga ggttggacgg atgacacttg gagggttgct 120

agctttaggc tataatgttg ttgtnantta caagagagct tcaactgctg tcanttatgg 180

taatttatcc ctatcacgtg aaacgattga tactcttgga gagactttcc tggttctgan 240

agggacagat aggaagagtg tgggagctga agctctnaga atgggcatca ctgggccctg 300

gatcacgaaa tcatacctcg aactgatcct tgaaagcaaa ggtgtaccac gcttgaatac 360

acctccactt ttgcanccgt ctcctgtaat cactaaccaa nganaagcan attgttgcac 420

canaacctat ccggaactan cccaaacatc gttacccgcc ttgaggattt atcgcaacct 480

tggactanat ctcctacgaa atcccaantg ggnaccgatn ggtgcaactt tg 532

<210> 13029
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-H9

<400> 13029

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cgggtattag tggtgctcca caggacaaca acattatgct ctggaatgct gtcatatttg 120

ggcctgatga cacaccatgg gatggaggta ctttcaaact ctcactgcag ttctctgaag 180

attatcccaa taaaccacca acagttcggt ttgtgtcacg gatgtttcat cctaatattt 240

atgcagatgg gagtatctgc ttggacattc tacaaaacca gtggagtcca atctatgatg 300

ttgctgctat acttacctcc atccagtcct tgctctgtga ccctaatccg aattctcctg 360

caaactcgga agctgctcgg atgtacagcg aaagcaagcg cgagtacaac anganantgc 420

gtgatgttgt tgacaa 436

<210> 13030
<211> 378

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-A1

<400> 13030

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ctcctcggtg catcgtcaag ctgcatcttc ctcactctcn ctctccgtca aatcccttca 120

ctctgcggtt tcttcctcaa cctccttcac gcnaccacga tcgcagccgc cgtctcaggc 180

tgtgcanccg catcttatgg taaanaccgg tggtacncag ctcacatgat cgcanttgtc 240

cttaacgcca ttttccaagg ctcagtctct gttctcatcn ttancaacac ttcgagattt 300

ccncganagc cttaactctt anntccgtga gaanaaatcg tcnatgatct tgnanctagc 360

tggcggggct ctgtgttg 378

<210> 13031
<211> 525
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-A10

<400> 13031

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gcgtccgggg aatggagagt tgctgtcgga gcgtcatagc ttcaaggacg tttcatctgc 120

ggtcaagtgg ccgtctattt ccctctctta ncttaactca tctcaagggc aagctatctc 180

tctccatcaa ctcgttttcc tccaagattc agtctcatgc tctccgagga gttggtatag 240

gcgagtcatg ataagaaaaa tcccctgccg cgaggggccg gataaggagt caaggaagat 300

gcgaggagta agctgcttca tgtagttttg gtctctcctc agattcctgn gaatacaggt 360

tgcattgcaa gaanatgtgc tgcctcaact gttggtccgc atttagtcng gccattaagt 420

tttcaagtgg atgacgccat agttaagcga actggtttgg attattggnc ctttgtgggt 480

gtcaaagcgc ataactcaan ggctgagttt caaagaatan ttcag 525

<210> 13032
<211> 529

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-A11

<400> 13032

gnnnnnnngg aactggtttg cctttgccct aggcctccgg naatcccaan gncgngccac 60

gcctncgnan aattcccnta actctatctc taggtgactt aagagtaaaa aatggtagag 120

gcanaggttg aagtagatgt ggaaatcaaa tctacggctg ataagttttt catgttctct 180

anaagatcac aacatgcctc caaagccact cgctatgtac agggatgtga tctgctcgaa 240

ggcgagtggg gcgaagttgg nagcatactc ttgtggaaat tnactgttga tggagagcca 300

aaagtgtcaa aggatatgat tgaggcgatt gatatgaana tgaatatgat ccagtggagg 360

gtgttanagg gacctctgaa ggaanagtac aatattttct cgaaaacgat gaaagtaagc 420

cctaagcaag gagggtctgg gaagtgtggt gaaatgggac nttgaagtat gagagaattg 480

atgataaagg tggctcacct agagaggccc ntcaatttct ccgtccant 529

<210> 13033
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-A3

<400> 13033

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atgcccgctg cngtgtccna ggccatcttc cctctacngt ttctaccgtt ccncctggg 120

ttcaacaacg gctttaggga caatgangct gtcaaggttg cgaaaccaca gcctgcacga 180

gcagttggtg gaaaagccgc aagaaggcan cgtggcggcg gtttagacgc tcaagacaac 240

ctgnggtggt aagtgggagc tcttcttggn aaantcgggt gtgtcangga tgcatgcgat 300

ccttatgcca cttatcaaca angtccanta ctangatgcc accatttggg gaatttcaaa 360

gattaagttg cctccaagcc gtat 384

<210> 13034
<211> 459

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-A5

<400> 13034

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ggttgctttt ccatcttcgc cgccggtgaa atgcatcgcc gatgaaagat taacagagat 120

ctccatggat ttcaccanat taagattccc agaagaagat gaagaaatta ncaaattgga 180

gagatcgtgg agtaagctcn aaaaatccgt cgaatttaac gaacgacgat gaagaagaan 240

aanaagagtt ttcgtttgcc ttgtgtaaac gggngaaagg tttccaatta ncgctganga 300

agcttttgaa gaatgggcag attcgtcctg tgtttccncc gtttaaancg ttgaatctcc 360

cttccantnc caaaaaacga aggaatngtc aaaacggcaa acnttttcgg gcatcggnng 420

ataacagaac gncgtcntta naaanattaa nttgttgng 459

<210> 13035
<211> 65
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-A6

<400> 13035

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ccana 65

<210> 13036
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-A8

<400> 13036

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ggttttcatg acacatgcaa caaaggccat ctacaagctg ttgcttacag attatgtaaa 120

agtgagcaaa gtgtctgtgg aagatatgtt gttcgatgaa caagacatca acaagtctat 180

ggacaaaatt gaggtaattg acttccatca aacagttgaa gtgaatggca taaagttctg 240

gtgttacacg gcaggccatg ttttgggtgc agccatgttt atggtggata tagctggtgt 300

ccgaatcctc tatacaggcg actattcccg tgaggaagac cgacatctga gagcagctga 360

gcttcctcaa ttctcccctg acatatgcat cattgaatcc acttctggtg tccagcttca 420

tcaatctcgt catattccgt gagaaacgcn t 451

<210> 13037
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-A9

<400> 13037

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cttttcataa tcttatcaat caatctcatc tttcttcaag canaaacaac tactcaaatc 120

tctaccaaga agacttatgt tatccacatg gataaatctg ccatgccttt accttacact 180

aatcacctac aatggtactc ttcaaagata aactctgtaa cgcaacataa atctcangaa 240

gaagaaggta ataacaacan gatactctac acttaccaag actgctttcc acggtttagc 300

agctcagctt actcaanaag aagcagagag gcttgangaa gaagatggtg ttgtacctgt 360

gatacctgag acaagatacg aacttcacac tacaagaagt ccaacgtttc ttgggttagn 420

aangacatga aantgagaaa ctttggggct gataaa 456

<210> 13038
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-B1

<400> 13038

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atacgatccg atgccttata gtggaggcta cgacatcacc gtgacatacg gccgttcaat 120

tccaccgtcc gacgagactt gttaccctct ctcctctctc tccggcgacg cctttgagta 180

tcagcgacct aatttctctt ctaaccacga ttcttctgct tatgacgacc aagctcttaa 240

anccgagtac agtagctatg cacgacccgg acccgttgga tcnggatctg antttggccg 300

gnaacctaat tctggatatg ganggagaac ggaggttgag tatggccgga aaactgaatc 360

ggancatgga tctggctatg gtggaagaan tgncagcgat tacgtgaatc ctagctatgg 420

cggtcacgag gatgaatgtg acgatggtca caaaaaaa 458

<210> 13039
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-B10

<400> 13039

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atgccacggc ggcggccaac tacatctgtg gccagttagg cgacgtcaac aacaaattta 120

tcgacaccgc tttcgctata gacaacactt accttctctt ctccgcctan cttgtcttct 180

ctatgcagct tggcttcgct atgctctgtg ccggttccgt gagagccaag aatactanga 240

acatcatgct taccaacgtc cttgacgctg caaccggtgg tctcttcnan tatctgtttg 300

gctacncctt tgcctttgga tctccgtcca atgggtttca tcggtaaaca ntactttggg 360

ctcaaaagac atcnncaacn gccctctgct gaatactcca aacnttctct accaatgggg 420

cctttgcaat cgctgctggc tgggaatcac aactgggg 458

<210> 13040
<211> 73
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-B11

<400> 13040

cttgtatttt cncatgaaag ancaagtctt tgngcaaaag tactgccgtt gtgaactcgg 60

gattgctttt gat 73

<210> 13041
<211> 526
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-B12

<400> 13041

nnnnnnnnng aantggtttg ccttgcccta gncgtccgga aatccaaggt cgacccacgc 60

gtccggcgta aactangtgg gtgcaaagcc aaatatggat gaaaacgcaa gcaaaataat 120

aagtgcggga cgagcaaaga gatctattgc tcagcctgac gatgctggcg aaagatttag 180

acaattaaaa gagcaagaga agcgcagcaa gaagaacaag gcggttgcga aagatacagt 240

tgaattggta gaagaatctc agtctgaatc agaagaaggg tctgatgatg aggaagaaga 300

ggctcgtgaa ggagcgttag cttcgagcac aacaagcaag ccgcttcctg aggttggcca 360

acgaagaagc aaaagatcga agcggaaacg cactgtatag aaccaaagca aacgaaattg 420

caagtaagga anagaaaaga gagagatttg aatcctgttc cttagtttga tctttgatat 480

atatttgcat acancatgtc cngtaattat cctaatatta agggaa 526

<210> 13042
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-B2

<400> 13042

cttcatttta ttttccctct acatctctcc caacgatttc caaatctcac ttcactttgg 60

ctcctccacc tgaatccatg gatattgctt cgtcatctct ctcacaagct cacaaagtcn 120

ttctcacgcg tcaancttct tcccgggtca acacctgctc ccttgggtcg gtctccgcta 180

tcgggattct ctcttccgca ngattaactc tccaagcttt aagtaaatgt ccccggaaac 240

aaagctcttc tgggttcgtg aaaacttgtg ttgctgttga ncaaaaaaac cgaactggta 300

tcatcagaaa ntgggacang ggggaagtcc ctaacaaatt gctcaaacnt nccagacgng 360

atgaaaagct caagaannaa caccctgaac tcntttgaan atgga 405

<210> 13043
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-B3

<400> 13043

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antgagaaaa cattctcttg atcgatggnt tttaacagct gttcttgtcg ttctcctctc 120

gtcttcttcc tccttcgcgg ccaagaagga cgccaagaan aagaagaaga gtaataagga 180

ggtgacatat gatggaacct cnttgatcat cgatggcaaa agagagcttc tttantctgg 240

ctctattcan tacccgagaa gcactccgga aatgtggcca agtatcatca agagagccaa 300

gcaaggcggt ttgaacacga ttcaagacat acgttttctg gaatgtacat gagcctcaac 360

aaggaaagtt caacttttcg ggacgagctg aattggtgaa agttcaaaan agntgattca 420

naaagaatgg gaatgtggtn tnaaccttaa aggctgggan cgttcaanc 469

<210> 13044
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-H4

<400> 13044

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ttgntgttgt acanctanaa cactatatga cgagtcttca agcttccgcg tcttcttcct 180

cttttgagaa tcgcttcttc tttcctccat cgttggttca ngantctctc tgcaatgagt 240

gatttcttcg atgaggggaa gcagcanttc gcaagtgttg ctgatgggaa tgcaccactt 300

aagtatccaa gcttcaagct acctaagtcg actttcggan atactggnan anatagcgcc 360

attggtacaa gctaaatagg ggttangntc ctc 393

<210> 13045

<211> 524
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-E9

<400> 13045

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acgcgtccgc ccaancgtcc gcatatatag agaatatgag caaaacggaa gcaatcagct 120

tgaccaaaag gggaatgttg ccgccaagta gttgcaatag cctaatggac cgctctgagt 180

cccttaagag ggacagtgtg atgggcaatg gtgcagccaa agtgagagga agcttggagc 240

gcaagaaatc aaagagtttt aaggaaggag atagttattc ttcgtggctc ataacggagg 300

ctcctgggag tatagccgcc gtgaggagag agcaagtggc ggcacaacaa gcactaagga 360

aactaaagat tgctcattac ggtagatnca aatcaaccat taatttcact tcttccaaag 420

tcgtccctct tcttaaccct aaccctaacc ctcatcctca ganatgcanc ttcctcancc 480

ccacttctga ttctatttac gttgcctacc atgatgaana atng 524

<210> 13046
<211> 525
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-F10

<400> 13046

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cgcntccgcg gaaactacgt cgtacgaaga aagattctgt ctcttcctca gagaactctg 120

atcatttacc aaaggaaatc cgtgaggata tggactgtgg aatcatcaag ggaaatggaa 180

cagaatctgg acggattatt accaccaaaa agaagggttt gaatgatcaa aaagacaaga 240

caatctctta cagagctgaa catgtaattg gcactggctc attcggtgtt gtctttcagg 300

ctaagtgctt anagacggaa gaaaaagtag caataaagaa agtgttacag gacaagagat 360

acaaaaacag agaacttcag atcatgcgaa tgcttgatca tcctaatgtc gttgagctca 420

agcattcttt cttttccacg actgagaaag acgagcttta tcttaacctt gttcttgagt 480

atgtacccga gactatttac cgcgcttcca gatnttacac caaag 525

<210> 13047
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-F3

<400> 13047

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cgtccgccca agcgtccgag aagatgatct cagagctcat gtccatgtac gacagaaatg 120

tccagagcaa ccaaacctct atggtcatgg aaaatcaaag cgtgtcactg cttcaaccca 180

cagtccataa ccatcaagaa catctccagt tcccaggaaa catggtggaa ggaagtttct 240

ttgaagactt gaacatccca aacagagcaa acaacaacaa cagcagcaac aatcaaacgt 300

tttttcaagg gaacaacaac aacaacaatg tgtttaagtt cgacactgca gatcacaaca 360

actttgaagc tgcacataac aacaacaata acagtagcgg caacaggttc cagcttgtgt 420

ttgattccac accgttcgac atggcgtcat tcgattacag agatgatatg tcgatgccag 480

gagtngtagg aacgatggat ggatgcagca gangcanccg 520

<210> 13048
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-F5

<400> 13048

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tacagcaaac gaacaccaat cccactcccg ccaaatccat cactcgacgt cactactttc 120

atttcttcac aagctcatcg tggccgtatc gccttcatcg acgcttccac aggtcaaaac 180

ctcaccttca ccgagctatg gcgtgccgtg gaatccgtcg ccgattgtct ctccgagata 240

gggattcgca aaggccacgt cgtcctcctc ctctccccaa actcaatttt attccccgtc 300

gtttgtctct ccgtcatgtc actaggcgca atcatcacca ccacgaatcc actcaacact 360

tcaaacgaga tcgctaaaca gattaaggat tcaaatcnag tcctcgcctt caccacatcg 420

cagcttctcc ccgaaaatct 440

<210> 13049
<211> 74
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-F6

<400> 13049

tttcaaaggg ngggaaatat acggngaaga atcttctgat gtaccatcca gctgatcggg 60

gtgangcgcc ttta 74

<210> 13050
<211> 148
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-F8

<400> 13050

antgggtanc ttagtggtgg tgataatagg tncctccctt gattggctcc agctttaggt 60

ttttttttnt ancttngttt cngcttcgat tcccaaagtt tacccttcg attttggttc 120

tacctantcg agttgactca ntagagtc 148

<210> 13051
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-F9

<400> 13051

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aanaaggcgt nggcgatttc tctttctctc ttaaacggag caacgccttt gaaatcgaat 120

tcgctccaca aatctagact cactccactt catcttcgaa ctatctcttg ttctagacta 180

tcttactctc cctcgngtcg cgaaatttct ntcaaaactc aatctacngt tcctatttcg 240

tgtacgcgta gtangtttga cttcgttcct cgttgcggca tttcgtcgaa cgatttgcct 300

actgagaaaa agnanagctt tggggagtgg gttgagtttg tgggagangc ggtttcgacg 360

gcgtttcnga tatgggtttc tctgggatgc ttgttgggac tgatgagacc aagtactttc 420

aattgggtta ctccaaattg gaccattgna ggtctacgat nactangctg gaatgggaat 480

gactttganc cttgangatc ttcgtggg 508

<210> 13052
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-G10

<400> 13052

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cacgtttgtt gttatctctc nagacccacc aatccggaaa ggtcagacaa tgtaccccca 120

cattgttatg cagtttgaaa cagncaccgt tgtcnaaagt gaactgtcaa ttagtgatga 180

acttatgaat acaaagttca aggacaagct ggagcgatca tataagggtc tcattcatga 240

agtattcacc accgtgttgc gttggctgtc tggtgcaaag atcactaaac ctgggaagtt 300

cccgcanttc ccaagatggg tttgcattga aatcgtctct caaggcacaa gatggggttc 360

tttatccact cganaaaggg atttttcntc ctacctaaac ctccaacgct tatacttcac 420

gatgagattg actaagtcca gtttgaaang natg 454

<210> 13053
<211> 521
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-G11

<400> 13053

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ccacgcctcc ggtcaaaaca aattcgtgat aaacagattg ttcgcattct cggaaaggca 120

ccaacaattg cagcagctgc ttatttgagg acggcaggca ggcctcctgt tcttccttcg 180

gccaaccttt cttattcaga gaatttcctc tatatgctgg attcaatggg caataggtct 240

tacaagccta atcctcgttt ggctcgagtg ctggacatcc tcttcatact gcatgctgaa 300

catgaaatga actgctctac tgctgctgct cggcatcttg cctctagtgg tgttgatgtg 360

tacaccgcat gtgctggagc tgttggggcg ctttatggtc cacttcatgg tggcgcgaac 420

gaagccgtgc ttaagatgtt agcagagatt gggactgctg aaaatattcc agatttcatt 480

gaangcgtga agaacanaaa gangaagatg tcaggttttg g 521

<210> 13054
<211> 290
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-G2

<400> 13054

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ccttcaccgg acttcgtcaa tcatcatcgg agcaaacaaa cttcgtctct catgtaccgt 120

catcactttc tctcgctcaa ggacggacct ctctccgagt aaccgcagcc agagccactc 180

ccaatntctc caaccgtaaa ctcggtgtcg ccgtcntcgg tggtggacta ncaggngggg 240

canctgcaaa gactntagca caaggaggaa tcgagacgat tcncatcgag 290

<210> 13055
<211> 557
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-G4

<400> 13055

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tctctctctt catcgtcgcc gtcgtcttct ccgtctcctc ctctctgtct cgctgctact 120

tcttcttcat ctcctggana aataactcaa caaaaacgaa agaangggtc tggtncaaca 180

atcaatgatt cttggattcg aacnggctgg acaataactc cgtcaaatca accaaccctc 240

ccaattcctc caaccaacca accaacgaac caacaaattc cgaaagtccg attcccggcg 300

tttttctcct ccccngggaa ttaataactc cttcggctcc ttcctccctt cngggagaat 360

tctcccgggt ctctccctca agnacgangc aagaacgaat tcccctt acc gggaaaaccc 420

ccaaaattgc tgaattcgtc aaaattcnag gggtttcaat tgcagggaan anatggggct 480

tttcatnagc cccgattctc anatctcaan ctcaagttct acanattcaa cgcaagcttc 540

tnaatctctc aatgtgt 557

<210> 13056
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-044-Q1-E1-G5

<400> 13056

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gaaatctcac ggttccgagg agtgggtttt tgggggttag ggttttcgag agatgttgaa 120

tgtcaggttc attgatgaat ctgttttctc tctgcttcaa gccattcggg cacgtctgtg 180

ataattccga agctggatcg ggtggtggtg gtggcgtttc tggtggaacc ggcggtgaag 240

gcaaagacgg attgctttgg ttccgtgatc tcggtaaata ttgcggcgga gatttctcca 300

tggctgtgat tcaagccaat caggttcttg aagatcagag ccaggtcgaa tccggtaatt 360

ttgggacttt tgttggtgtt tacgatggtc atggtggtcc tgaagctgct cgttatgtct 420

gtgatatctc tttaaccatt ttc 443

<210> 13057
<211> 363
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-G9

<400> 13057

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nccggtcnat tatcgctccc aaaatttcag aattgttggc gggctgaaaa aatcnggagc 120

ctctggaaaa attatgatat caaggagctc ctgcttccng gtaaaaggta cacaaatgcc 180

gaagctgatt actcacaaaa tatgggtttg gtgcatatct ctgctggaga ttttgctgaa 240

gggctgaaat cgcntctggg aagtgaaaat ggaagacgtg ctaaaagaac atatgggaga 300

aaggacaaat tggtccctga tgaaatantt gtaatgatgg taaaagatct ttatcacaga 360

cag 363

<210> 13058
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-H1

<400> 13058

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cgcggacgcg nccgcccacg cgtccgcgga cgcgtggggc gaaaatggtg aacattccga 120

aaactaagaa cacttactgc aagaacaagg agtgcaagaa gcataccttg cacaaggtga 180

cgcagtataa gaaaggtaaa gatagccttg ctgcccaagg aaagcgtcgt tatgatcgta 240

aacaatctgg ttatggaggt cagaccaagc ccgtcttcca caagaaggct aagacaacta 300

agaagattgt gctgaggctt caatgccaaa gctgcaagca tttctcgcaa cgcccgatta 360

agaggtgcaa gcactttgag atcggtggag acaagaaggg aaagggaaca tctctctttt 420

aagttgttgt ttcatctatc tacttttttt tgttttgttt ggtacctgtc ctgcttcaat 480

actgtgatat actttgaatc ctaccagaaa tggtc 515

<210> 13059
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-E8

<400> 13059

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ctaatttctt cgggtatgaa ggaagatgcg gcttgcccac aaattttgat gccacatact 120

gttatgcact tggttatggc gctggagtac tcctcaacag tgggaagacc ggactaattt 180

cttcggttgg gaacttggct gctcctgtgg aagaatggac tgtaggtggg actgctctca 240

cagccttgat ggatgtcgag aggagacacg gtaagttcaa gcctgtgatc aagaaagcaa 300

tggtggaact tgaaggtgca ccatttaaga aattcgcatc actgcgtgaa gaatgggcat 360

tgaagaaccg atacatcagc ccangtccga ttcaattcac tggacctggt tcaaactctc 420

tcaaccacac tcctacttcc ttgaactcgg ggctcaatag tctctcgact aaaccaccat 480

tcctttgcct tttcctgccc 500

<210> 13060
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-D12

<400> 13060

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catctagtnc cacagancaa ccttttgacn aaagaagagg tttcttggcg agcgtaagct 120

aagacggcgg agtcgccgaa agttcataga gaaagcattg ttttgggtga tgagagagga 180

agtcggagag agtttcgccg gggaagttta ggagttttgc cggataaatg agaagccgga 240

ctgttgagtt cttccggtgg gtgagcaaaa gctttctgaa atattgccaa tacggtttat 300

ctgggaagaa ctcaaacgan gcaatgtttg tgatcgaagc ttatcgaaca cttcgtgatc 360

gtggtcctta cccagcagat naagttctta gaggtcttga nggaagcttc c 411

<210> 13061
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-D3

<400> 13061

nnnnnnnnga actggtntgc tttggncctg cccgtccgga natcaagggt cgacccacgc 60

gtccgacgaa aacttcttta tggggtctgt gcatttcaag gatgtggctt tagctcatat 120

tcttgtatac gaggatccat attcgaaagg aaggcacttg tgcgttgagg ctatctctca 180

ctacggtgat tttgtagcca aagttgctga gctctatccc aattacaatg tccccaagtt 240

accgagagag actcaaccgg gtttacttcg agataagaat gcatcaaaga agctcataga 300

tttggggtta aagttcattt ccatggagga aatcatcaag gaaggtgtgg agagtcttaa 360

aagcaaagga tttatctctt aatacctacc tctgtaactc tgtttgattg agcaattaac 420

acaatctcta agcagcanaa acatttcata tgatatacga ttttgcactt ttgtaataaa 480

taanctggcc tatggtatgg tatgaacaaa aaaaaaaaaa 520

<210> 13062
<211> 371
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-D4

<400> 13062

angatttgtn tggnccgncc gtccgganat canaaggtcg acccncccgt ccgctccacg 60

aanctttaat ttctaatcac cgaccaaaat tgatcggaaa cctagagctc ttcgtattgc 120

tccgccacca tgcatatccg gcgccagatc ttcgttaaat ctcctgactg tcaaaaagtc 180

gtcgctctgc aattggatcc tgcgcaatct ctattaactc tttcgggtat cacttcctta 240

ctcgaatcgt cgcagcgtat atcgttttcg gnttgctcga ttactccaga tgggaagctt 300

tttgatggnt ccacacggnt tcaagtntcc aagctttcnt ncggtaccaa ngcccatcct 360

tttcctncnc c 371

<210> 13063
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-D6

<400> 13063

gagaantggt actcttcgtt tgaccacaag gcagacgttt cagcttcatg gtgttctgaa 60

gcagaatctt aagactgtga tgagctcgat tattaaaaat atgggtagca cgcttggtgc 120

atgtggtgat ctgaacagaa atgttcttgc tcctgctgca ccttatgtga agaaagacta 180

tctctttgca caagaaactg ctgacaacat tgcggctctt ctttctcctc aantcagggt 240

tctantnatg atatgttggg ttaaggaaaa gcagttcatg actgctgaac ctccagaggt 300

antnaaggct cnaaanaata actccnatgg aactaatttn gtcnactctc ctgaanccaa 360

tntatggaac caattncttg ccna 384

<210> 13064
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-D7

<400> 13064

gnnnnngnnn gattgtcnag ccggggtnta ccggtaagga gatcncgggt cgacccacgc 60

gtccgcttna tttcgatttg gattagaagc tggttctaaa cctgagatcc ttcttgctat 120

gagctgcttg tgtaaaggta gccctgatgc ctttcttgtg tgcaatggat tcaaagatgc 180

tgagtatata tcattggctc tgcttgggag aaaactggcg ttgaatactg tgattgtgct 240

tgagcaagaa gaagagcttg atctggttat tgagctgagc cagaagatga atgtgaggcc 300

tgtcattggg ttaagggcta agctgaggac taagcattcg ggtcatttcg gatcaacttc 360

tggtgaaaag ggtaaatttg gattgactac tactcagatt gttcgtgtgg tgaggaagct 420

gcgtcaatct ggtatgcttg attgtctcca gcttctgcat tttcatattg gttcacagat 480

tccgtcgact tcgttgcctc tgatggtgtc gc 512

<210> 13065
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-E11

<400> 13065

nnngtggntg nngantggtc tccttttcag gcctccggac atcccangtc gncccacgcc 60

tccgcccaaa cgtcagccaa aaaccaatcc cagatctgaa tctcaaccta aacctcagat 120

tcatcatcat ggcttcttct tctaactacg atggaatcct tctcggtatg ggtaacccac 180

tcctcgatat ctctgccgtc gtcgacgacg aatttctcac caaatacgac atcaagttga 240

acaatgcgat tctcgcggaa gacaaacatt tgcccatgta tgatgagatg agtagcaagt 300

tcaatgttga atacattgcc ggaggtgcta ctcagaactc aatcaaagtg gctcagtgga 360

tgcttcaaat tcctggggca accagttaca tgggatccat tggaaaggac aaatatggag 420

aggccatgaa gaaggatgct acagcagctg gtgttaatgt tcactattat gaagatgagt 480

cggcacctac tggaacttgt ggtgtctgtg ttgttg 516

<210> 13066
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-E12

<400> 13066

gtgngaatgg tctnctgttc aggcctccgg agntccanng tcgncccang cctccggata 60

angatcagca acgagcatta gctgcttcct tggaagataa caacatgaaa gagtcttcag 120

atgatcaatc aacaataata cctgaagaag tagcagttga agcagttaca tccgcggtcc 180

tgccaacatt cccaccactg ccggaagaac caaagggagg cgatcgcagc ctacaatgca 240

gagttgggat ccgtttacct aacggacaaa gactccagag gaatttcctc aaaacagaca 300

caattcagct tctctgggtc attctgctat tcccagcttg aggaatcaag anaggaagaa 360

nccattgaag ctaacacaag cgattccaag gtgaatcana gacattggag tatgaatcta 420

acttaanctt ggancantct ggtgttgcaa ttccatgatc tctgctacgt nggaatgaaa 480

tatcatcata tcnataaaat tagctntatg ggg 513

<210> 13067
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-E2

<400> 13067

gnnnnnnnga ntggtttgtn tggccgnccg tccggaaatc anagggtcga cccncgcgtc 60

cggaagnagc catggagata gccgccgtta gcactgtctc cgtcgcgcca caatcgcgca 120

gagtgtcgaa tgcgttctcc aggaatctag gatccgtatc ttctctttcg tttggtttct 180

ttgagaaaga atattgcttt aagagcccta gccttcgtgt gtctgcagca gcttccatgg 240

acgccgtcac agctgagaaa ttttctccgg cgagttttct agacaaaaaa gaaaccggag 300

ttcttcactt tgtgaaatac catggcctcg gcaatgactt cattttggtc gataacagag 360

actcatcgga acctaagatt actcaagaac aggcggcgaa gctgtgtgat cgaaacttcg 420

gtgttggtgc cgatggagtg atttttgcaa tgccaggagt caatggtact gattacgcat 480

gcggattttc aattcagatg gtantgaacc 510

<210> 13068
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-044-Q1-E1-E3

<400> 13068

aaagagaaat agaattttgc gtttcaagta ctccatctcc gtctcttttc ctccgcatct 60

aaaaccatct gagaaatatc tccgacgaag gagaagaaac gaaaatgacg gagactggag 120

taatcggatg tggctgtcgc ggagtcaccg gcggcaattt cttccatccc ggaggatttt 180

ctttgaaatc ttgtttcctc gagcagagta caaagcgtaa tcgtaacttt ttccgaagcg 240

tttctatgat tcctcctttc aaacgcggtc gtttcatcac taagttgcgt tccgtcgccg 300

ggaacagccg aatctttagc atggatgctc gagagaaatc acgatcgttt gtgttggtat 360

catcaaggca caagagagtt ccagtttttg tgatgatgcc gattgataca tttggaattg 420

atgcttctgg gtgtccaaag attaaaaggg 450

<210> 13069
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-E4

<400> 13069

anacgaaaca tggcttcttc ttctacttct ctgaaaagaa gagagcaacc aatttcgcga 60

gatggagatc aacttatcgt tactccgtta ggagccggaa gtgaagtggg tcgttcctgt 120

gtttacatgt ccttccgagg caaaaatatt ctgtttgatt gtgggattca tcctgcgtac 180

tcgggcatgg ctgcgttgcc ttacttcgat gagattgatc cttcttccat tgatgtcctc 240

ttgattactc actttcatat agatnatgca gcatctctac cttaatttct gggagaaaga 300

cgacattcaa tggggcggtt ttcatgacac atgcaacaaa ggncatctac aaactgttgc 360

ctacaaatta atgttaaagt gagcaaagtg tcngtgggaa aaaagttggt ccnatgaacc 420

anaaatncac aagtccaagg ggcaaaatt 449

<210> 13070
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-044-Q1-E1-E5

<400> 13070

ctgaccaagc acatgttcag ttgtttaaaa gctttcatgg tagcttttca catcaagtaa 60

tggttcgtga tctccactac attgaaggtt ctaaagccat gccaaaggtt ttgccaacgt 120

tggatcaaaa tgaaggtgtg ctaaagcatt ctgctagcgt tcaaagagga agagaatttg 180

gaactaatct ttggtttgat cttgttgata aaccgaatga atggtgtgat taccgtgaaa 240

tgaaacagaa tggatcggtt aatcctaaac accctgattt caagaagaaa gacgggagtc 300

aagcgctttg gcttaacaat gctcctacag agatattgtc cgagctcaaa gacgtgaagt 360

ttgatattcc aaaatacgca aaacaaccaa aggccggaga ggaatcatgg aaggacttgg 420

tacataacat gaataagtgg tggg 444

<210> 13071
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-E6

<400> 13071

tgcatatgaa agactgcttc tcgatgcaat cgaaggagag aggaggttgt ttatcagaag 60

tgatgagcta gatgcagcat gggatctatt cacaccggct ttgaaggaac tagaggagaa 120

gaaaatcatt cctgagctct atccatatgg aagcagaggt cctgttggtg cacattacct 180

tgcatctaag tacaatgtga gatggggaga tcttggagaa gcttaagctt tcgacagaaa 240

caatatgatt tggtgttaat atgagtaaac taacttgtcg atattatcaa tgcgtagata 300

aatccttgtt accaaaactt gctttttctc tgacattttt tgattgtttt tggttctaaa 360

tcgagcattt cggangaatg tnccaaaact cctgcangaa tagaccaatt ccatcattgc 420

aaancaangg gaaaaaatna ggg 443

<210> 13072
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-044-Q1-E1-E7

<400> 13072

ttagccacca tgtctttgag acctaacgct aagactgagg ttcgccggaa ccgctacaaa 60

gtggcggtgg atgctgagga aggaagacgg aggagagagg acaacatggt cgagatccgt 120

aagagtaagc gtgaagaaag cttacagaag aagcgtcgtg aaggccttca agctaatcag 180

ctacctcaat tcgctccttc ttctgttcct gcttcatcaa ctgttgagaa gaagttggag 240

agtttgcctg ctatggttgg tggtgtttgg tcagatgata gaagtttaca gcttgaagcg 300

actactcagt tccggaaatt gctttctatt gagcgtagtc ctccgattga agaagtgatt 360

gatgctggtg ttgtgcctcg gtttgtggaa tttctcacta gagaggatta tccacagctt 420

cagtttgagg 430

<210> 13073
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-D1

<400> 13073

caaaggccac caatctgaag catttatatc tcaacaactg caaaagtttg gagattccca 60

atagtagaag gaagtgtcac caaaaattgg tgaggttgga aatgaaagaa tgcacagggc 120

tggaggttct tccaaccgat gtcaacttgt catctctcga aaccctcgat ctcagtggtt 180

gctcaagttt gagaactttt cctctgattt caaagagtat caaatggctc tatctggaaa 240

acaccgccat tgaagaaatt ctagatcttt caaaggccac caagctcgag tctttgatac 300

tcaacaactg caaaagtttg gtgacacttc cttctacaat tgggaatctt caaaatttga 360

gacgtttgta catgaaaaga tgcacanggc tggaggttct tcaaaccgat gtcaacttgt 420

catctcg 427

<210> 13074
<211> 134
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-A4

<400> 13074

tggggaagaa naaaaangaa tgtcctggcc tttggtcctt cccggggtgg gtccaancct 60

ggtttggccc aatgggtngg cctgggaaag gtttggttgg gttggggtgg ggtngcctgg 120

cttttccggg nggg 134

<210> 13075
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-A8

<400> 13075

ggaagnancc gggcgccacc tccngaacca tacaagnatn tggaggcaat ggtgaaaant 60

ccagtaagcc catggtatag tanggcaatt gaataaaatg gctgggtttt gctcctgatg 120

aggaaataga acttttgag ggaaataaag ntttgaaccc ttgccgtaaa tggtgtgaac 180

aagaattgat aaagaaagaa cntcctttca aaggctggtg tccaaatttg aagaatggga 240

gaataaccat ttggntaatc naaaaacctc cttccnaacc aaggagaatt ggaattccan 300

taccccanaa gtggcaacca ttttgggngt aangttcaaa atcccaaaac ccggggccnt 360

ttttcccaca cctggggnaa aaccncaa 388

<210> 13076
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-B10

<400> 13076

cgattaaacc tactcaatct cagatctcgt taaacctaga aacctcnaga aaaaccgtat 60

caatggcgcc gaaagcagag aagaagcccg ctgagaagaa accagcttcc gagaagccgg 120

tggaggagaa atcaaaagcc gagaaagctc cggcggagaa gaaacnanan gccggaaaga 180

agctcccgaa ggaagctggt gccggaggcg acaagaagaa aaagatgnnn aataanagtg 240

tcgagactta caagatctac atcttcaagg tgcttaagca agttcatccc gatatcggaa 300

tctccagcaa agcgatgggg atcatgaaca gtttcattaa cgatatcttc gagaagcttg 360

ctcaagaggc gtccaanctt gcgaagtnca ataagaaacc tacnatnact tctcgggaga 420

ttcaaactgc tgttagattg gtt 443

<210> 13077
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-B11

<400> 13077

nntgggtnnn ggaantggtc ctggtccgac tagnantncg gatcntccan ngtcgaccca 60

cgcntccgcc aaaacacaac aagaacagaa ctcagccatg gcttcttctt cttcttctct 120

tctaatccta gccgttgctt gtttcgtctc gctaatctca ccggcgattt cacaacaggc 180

ttgcaaatca cagaacttga actccgccgg tccgttcgat agttgcgaag accttccggt 240

actcaattcc tanctccatt acacctacaa ttcctcaaat tcatctctct ccgtcgcttt 300

cgtcgccact ccatctcaag ccaacggtgg ctgggtcgct tgggctatta accctacggg 360

gactaagatg gctggttctc aagccttcct cgcttacaga tccggcggtg gtgcggctcc 420

ggtcgtgaag acgtacaaca ttagcagcta cagcagtctc gtcgaangta aacttgcttt 480

tgatttttgg aatctacgcg ccgagtcgtt angcgggcng 520

<210> 13078
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-B2

<400> 13078

cggntgngaa tggtttgttt gggncgcccg tccggatatc aagggtcgac ccacncgtcc 60

gcccaagcgt ccgcccacgc gtccggttga gatgaattca atgttatcta acttagcatt 120

caacaacatt attagaatgg tgacgggaaa atgttactat ggagatggtg cagaggatga 180

tcctgaggct aaacgtgtgc ggcagcttat cgcagaggcg atgagttgtt ttggtgcagg 240

acatgcggct gatcatttac cgatgttgcg atggattaca gatttcgaga ggcgggtaaa 300

gaacattccn gcaaggctng atgaantttt cccaanaatn ggttgatgag aaaacttttg 360

ncaaaggaga acnagggaca acccnangat tgatnactnn cttcctttgg cangnttncc 420

cancctg 427

<210> 13079
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-B7

<400> 13079

nnaaaaacga gccagcctct tcttccttcg tctactagat cagatccaaa gcttcctctt 60

ccagctatgg ctgcttcagt acactgtacc ttgatgtccg tcgtatgcaa caacaagaat 120

cactctgctc ggccgaaact tccaaactcg tctttgttac ctggattcga tgttgttgtt 180

caagctgctg ctactcgatt caagaaggaa acaacaacca caagagccac tttgacgttt 240

gatccaccaa ccactaattc tgagagagct aagcagagaa aacacaccat tgatccttct 300

tctcctgatt ttcaaccaat tccatctttt gaagaatgct ttcctaagag cactaaagaa 360

cacaaggaag ttgtccatga agaatctggt catgttctta aagttccctt tcgtcgtgtc 420

atttgtctgg tggtgagcca ncttt 445

<210> 13080
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-B8

<400> 13080

gaaaagagcc ttatattana tctgctgagg atattgcttt ccatgccgct cttttcgttg 60

caaaaaatgg aagttacatc aactattaca tgtaccatgg tggaacaaac tttggaagga 120

cttcatcttc gtatttcatt acaggatact atgatcaagc tcctctcgac gaatacggtc 180

ttttaagaca gcctaagtac ggtcatttga aggagcttca cgctgcgata aaatcctctg 240

caaatcctct gcttcaagga aagcaaacga ttctctcctt gggaccaatg caacaagctt 300

atgtctttga agacgcgaac aatggatgcg ttgcgtttct ggtaaacaat gacgctaaag 360

ccagtcaaat acaattcaga aacaatgcgt atagcttgag tccaagtcaa ttggtattct 420

tcagaactgc aa 432

<210> 13081
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-C10

<400> 13081

nntgggtggn ggaatggtcc nctcgnacag gnctccggac gntccanngt cgacccacgc 60

ctccgacgaa acctgntgca ctactcgctc tgggaatgtt cctctgtgct gagtctccac 120

agtggctatt caagcaaggg aagatagctg aagcagaagc tgagtttgag aggctgcttg 180

gagggtctca tgtgaaaaca gcaatggcag aattatacaa actagatcta gacaagacgg 240

atgaaccaga tgttgtgagc ctctctgagc tgttatatgg tcggcattca agaggtatgt 300

agaactcttt gcttttgtcc cgcggaagga actgcaaaca tgtatgttga ttgttgtgtc 360

tatttgtttc ctgtatagta ctttgttatt cacttgttcc ttttgcagtt gtttttattg 420

gatnaaccct gtttgctttg caacagctat ctggtataaa tgctgttttt tatttctctt 480

ctaccgtatt caaaagtgct ggaagtacca tcggacct 518

<210> 13082
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-C3

<400> 13082

aaatttcttt tattgttcac ctctttttct tcaatccttc aatttctctc accaacccta 60

atttccccaa atttggtaat acgatttcgt caatttactt cgcaatcgat tcaattcaat 120

tatgtctcta ttactggaag agatcattag atcagtagag gctttgctga agctcagaaa 180

tcggaatcag gaaccctatg ttgacccgaa tctaaacccg gttcttctag ttccaggaat 240

cgctggatca attctaaacg ccgttgatca tgagaacggg aacgaagaac gtgtttgggt 300

tangatcttt gggtgctgat catgaagttt cngaacaaag atgtggtctc gatttgattc 360

ttcaactggg taaaacgata tcctcttgga tccaaaaaac gaagtaattg gttggttcct 420

caaagacaag agctggggct acatgcaatt ganngtctta gaacc 465

<210> 13083
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-C4

<400> 13083

aaagctctgt gttctttctt gcctcctctt atcgtgaaaa taaacatact taggatcgta 60

gaagagagaa aataagaaga aagatggtag gaagcanaga aaaatcgaaa gagaaacgag 120

ataagagact ccaagagatn tccctccttc gtactattcc ctattctgat caccagaggt 180

ggtgggacct ctgaaaccgt ggcggtggta acangtgcga atagaggaat aggatttgag 240

atggtgagac aattggctgg acatggacta acagttattc taacatcaag aagacgaaaa 300

tgtaggcgtc gaaaccgcca aagatncttc aagaangntg gattcatgtt tgaattccac 360

cggnctccaa natccttggg actccttccc tcaatccaaa aaantttnc nnaaangggt 420

ttanagnaan aatttgggat ttantgggng gttttaaata na 462

<210> 13084
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-C5

<400> 13084

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cgctaatctc accggcgatt tcacaacagg cttgcaaatc acagaacttg aactccgccg 120

gtccgttcga tagttgcgaa gaccttccgg tactcaattc ctacctccat tacacctaca 180

attcctcaaa ttcatctctc tccgtcgctt tcgtcgccac tccatctcaa gccaacggtg 240

gctgggtcgc ttgggctatt aaccctacgg ggactaagat ggctggttct caagccttcc 300

tcgcttacag atncggcggt ggtgcggctc cggtcgtgaa gacgtacaac attangcagc 360

tacagcagtc tcgtccaang taaacttgct ttgattttgg gaatctacgc g 411

<210> 13085
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-C6

<400> 13085

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atgatggcca ggttgttgcc ataaaacgag ccaaaaagga acactttgag aatctgcgaa 120

cggagtttaa aagtgaagtt gacctttttgt ctaaaattgg ccaccggaac ctagtgaagc 180

ttcttggtta tgttgacaaa ngagacgagc gacttatcat aactgagtat gtcagaaatg 240

gtacactccg cgatcacttg gacggtgctc gtggaacnaa acttaatttc aatcaaaggt 300

ngganattgt tattgatgtc tgccatggct tancctatct ccantcttat gcagaangac 360

agataattca ccgtgacata aaaccgtcna acattctact cacanataca tganagccaa 420

annaccagac ttcggctttg cg 442

<210> 13086
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-044-Q1-E1-C7

<400> 13086

gctctcacat tattttctgt ttggaatctt ggatctttct ttctgagatc attcgtcttt 60

tgtactgatt ttgagagatt tcatttttgt ttgtttaccg atccgccgcc gtggattttt 120

gttttccgat gacgatcaaa gatgagtcgg agagttgcgg tagcagagcc gtcgttgctt 180

cgccgtcaca agaaaaccct agacattacc ggatgaaact tgatgtctat agtgaggttt 240

tacagcgact tcaagaatct aattacgaag aagccactct tcctgatttc gaggatcaac 300

tttggctcca tttcaatcgt cttcctgctc gatatgctct tgatgttaaa gtcgagagag 360

cggaagatgt tctcacacat cagagattgc taaaattggc tgcagatcct gctactaggc 420

ctgtcttgaa gttcgaa 437

<210> 13087
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-C9

<400> 13087

gttnattgtt gaatcttccc atttcctcat ccaaattccg acataactat cctagccgcc 60

atttgttctc cacattacaa aaccctcagc agcttcaaaa ctcttccgat ctctccctca 120

cgctcgcaat tctctcgtct ccattttaat agtttttctt ctcggaatca caaatcttcg 180

gcttcttgtt ccttggcgtg tgtgtgtgtt gttgaatggc tcttgttcag cggattccaa 240

tttcctcctc cagtattcgg aattggcaac aagcgaggac caatttgact cctatttgtt 300

gtttacatta caatactgca tcttcttctt cttcaccctt tacagagaag cactctgtgg 360

agagatacca aagggatcaa tggctgtaca aagcggttga accaacgcca ccatcgactc 420

catctccatc gccatttgaa gaa 443

<210> 13088
<211> 519
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-A3

<400> 13088

nnnnnnnnng aantggtntg ctntgncctg ntctccggnn atcanngntc gncccgnacc 60

tcngcangac tttaaatcat ggcggataca atggttgctc atatggaccg acataataag 120

atagatgttg agatctcaga agatgacaag agattaacaa agctttgctc tctaaagaag 180

aaggctataa atgcgacgaa caagtttaag cactcaatga ccaagaaagg tcgaaggcat 240

agccgtgtgg cgtgtgtctc aatcgtcgat gaaatcgata cagaagagtt gcaagcggtt 300

gatgctttcc gtcaagctct tattttagac gaactacttc cctctaagca tgatgatcat 360

cacatgatgc ttaggttctt gagggcaaga aagtttgatc tcgaaaaggc taagcaaatg 420

tggtctgata tgcttaactg gaggaaagaa tatggcgcag acacgatnat ggaggacttt 480

gatttcaaag aaatccgaag aagtggttaa gtnttatcc 519

<210> 13089
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-A12

<400> 13089

nntcgtactc tctctatcta ctactccatc aagattgtct ggttctgttc cgggtttgat 60

tgatttctac cgtcgccgga gattttgtcg tgtaatcacc tccatggctg aagcgggatc 120

ggtttacgtc gatgtagctg gggaatcgaa gtcggagcat gttactggga agtggttttc 180

ggtgccggag ctccgactgc gtgaccaccg gttcatagtt cctcttgatt attccaaaag 240

ttctcccaaa attaccgtct ttgctcgaga gatcgttgcg gttgggaaag aggagcaagc 300

aatgccgtat ttattgtatt tgcaaggtgg tccaggattt gaaggtccaa ggcctagtga 360

agctagtggg atggattcaa agagcttgtg aagagttcga gtggtcctac tcgatnaacg 420

angaacaggc ttgtccactc ctttaa 446

<210> 13090
<211> 543
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-A2

<400> 13090

ngngtnnngg aantggttct gtttagnccg gcccgtccgg anatcanagg gtcgacccac 60

ncgtccgccc aancgnccgg aaaaagatat caatgcctgc acatttaatg tatgatggcc 120

aagatgataa cctgtttgag cacttctcaa ccgttgccca gaggctcggt gtctacactg 180

ccaaggacta tgctgatatt ctggagtttc ttgttgaacg gtggaatgtg gagactttga 240

cagacctttc tagtgaagga cacagggccc aggactttgt ctgcggacta cctgcaagaa 300

tccgtaaaat tgaagagaga gctcaaggaa gagccaaaga agctgccaaa aacataccat 360

tcaagctggg atatttggtc gaaatatcan ggcttaagaa gtttactaca caattctctt 420

tccaattatc ccaagtaagt cataaaggtc ntcaacaacc atttcaccaa tgaagggacc 480

agtttttaag accacgaaaa gttcatttga atgtgtttgt tttatacnga acattggtga 540

taa 543

<210> 13091
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-A3

<400> 13091

tgcttgnccg nncnncggan ananatccgg cccgacccnc gngnnaacgc anatacaaag 60

aagcagacga caacaccaaa ctccgatcat catcatcaac aacaacaaca acaacaacga 120

tgctgcttcg aatttctggt aacaatctga gacctttgag accacaattt ctcgctcttc 180

gaagctcttg gttatcaact tcgccggagc aatctactca accacaaatg cctccgagag 240

taccaaatct tattggaggt tcttttgttg agtctcaatc atcttcgttt atcgatgtta 300

taaaccctgc tacacaagag gttgtatcta aagttccatt gactactaat gaagagttta 360

aagctgcggt atccgctgcg aagcaancgt ttccgttgtg gagaaacacg ccgattacta 420

nccggcagcg tgttatgcta aagtttcang agcttatacg caanaatatg gataaacttg 480

ctatgaacat cacaaccgaa gcaaagggaa gact 514

<210> 13092
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-A4

<400> 13092

aaanatggat actctcttta gactagtcag tctccaacaa caacaacaat ccgatagtat 60

cattacaaat caatcttcgt taagcagaac ttcnaccacc actactggct ctccacaaac 120

tgcttatcac tacaactttc cacaaaacga cgtcgtcgaa gaatgcttca acttttcat 180

ggatgaagaa gacctttcct cttcttcttc tcagcacaan catcanaacc acaacaatcc 240

taatacttac tactctcctt tcactantcc caagccagta catctcgcna catcatcanc 300

ccntcntcaa nggccgcagc cgcagcttag cctcgccnta atcctcctcn ggcaacataa 360

ttnacccttc gggntctcca atagtgaaaa ctccncgttc cttcgacttc tcagcaatgg 420

ccaagttggg aagactcggt ccttcttgaa ncggnaantg gccttctcct g 471

<210> 13093
<211> 538
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-A5

<400> 13093

gnnnnnngga antggttttn nttggcccng cccnnnnnaa aacanaaanc ggcccngncc 60

cacgcgtcna aggtaaaaag gagcatctgg gttctctgct cgttccacag ctgaagaagt 120

cactcatgga atcgatggta ctggtctcac tgctatcgtc acaggagcat caagtggtat 180

tggggaagag actactcgtg ttcttgctct tcgtggtgtt catgttgtaa tggcggtaag 240

gaatacagat tctggtaatc aagtcagaga taagatactt aaggaaatac ctcaggctaa 300

gattgatgta atgaagttgg atcttagctc tatggcttct gtcaggagct ttgcatcaga 360

gtatcagtct ttggaccttc ccttgaatct tctcatcaat aatgcgggga ttatggcatg 420

tcccttcttg ctttctancg acaacattga attacagttt gcaaccaatc atttgggtca 480

ttttctgttg acaaaacctt cttttggaga aggatgaaga aaacagctaa tgaaagca 538

<210> 13094
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-A9

<400> 13094

nnnnngantg gttgcctggg cntaccggng cccgaaatct cgggacatcc cgaggtcgac 60

ccacgcgtcc gatttagaat cttgaaaagg actctggttt attcagaaac ccaagaaaca 120

acaaggctgg gaagtttctt acattatccg agttcttgtt tcttccaaac cgttacagct 180

ctctcttagg cctcttgata gaagtggaga atgcagctta tttagtggaa catcaaggaa 240

ttagcgtggt cgatgcggta ctagatgaat tgaagagagc tactactcaa caaaacaaga 300

caagtgcaag aacaatactg atccagtcta ctgataagtc tgtcttgatg aagttcaagg 360

agaagaacaa aatgaatcat gacgagctgg tctatagagt cgacgacaac atccgtgatg 420

tagcagattc ggcgatcaaa gacatcaaga atttcgcagg ctcgattgtc atcagtaaga 480

aatcagtctt tcctacaaag ggttaacatc cttgaaaang 520

<210> 13095
<211> 532
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-B1

<400> 13095

ggngnnntga atggtntctc nggnccggnc ntaccggana tcanaaggtc gacccnngcg 60

tccgtctcac tgnangccat attcaaagca gtttccacac atttaatgtg aacacgtttt 120

ctcactacca acaaaaaaaa aaaactcaaa tcggaaaaaa aaatgtcggt tcacggacga 180

tttccggcga gtccaccgat ttcattatct ccgtcgtctt cttccacatc tccgtcttca 240

cagtcaccgt caacaccacc tgatctaaag caacgagtca tcgcttgtct caacaagctc 300

gctgatcgtg acactttagc tctcgcttcc gctgagcttg actcaatcgc tagaaacctt 360

actcacgatt ccttctctcc gtttcttaac tgtatccaca acactgactc ttccgttaaa 420

tctcccggtg aggaaacagt gcgttgctct tttaacggtt ctttctcgtt accacggaga 480

ttctctaaca ctcaccttgc taagatggtt caactgtaat cccgtctccg ag 532

<210> 13096
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-B10

<400> 13096

cttctctctc tctgaagcga tgtcatcgac gtttcgagct ccggcgggag ccgctactgt 60

gtttacggcg gatcagaaga tcagacttgg gaggctcgac gctctgagat cctctcattc 120

tgttttctta ggaagatatg gacgcggcgg cgtcccggtt cctccttccg cttcttcgtc 180

gagttcttcg cctattcaag ccgtctccac tcctgcgaag cctgagactg cgaccaagcg 240

gagcaaagtc gaaattatca aggagaagag taatttcata aggtatcctt tgaacgagga 300

gcttttaaca gaggctccaa atgtcaacga agtcanccgt gcagcttatc aagttccacg 360

gtagctacca acagtacaac agagaanaac gtggtggaag atcttactcc ttcatgcttc 420

gaactaagaa tccatctggg aa 442

<210> 13097
<211> 530
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-B11

<400> 13097

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cgggtngacc cacgcgtccg caaaagttac aaaaggagag tatgtcaaag gtttcatatg 120

caccgttgct gcgtctgctg gttatggtct agtcttatcc ctacaacagc tagcctttct 180

aaaagtccta aagaagcaaa atttctcaga agttatggat atgataatct acgtgagtct 240

agtggccagt tgtgttagcg tggtggggct ttttgctagc agtgagtgga aaactttgag 300

cagtgaaatg gataactaca aacatgggaa ggtatcctac attatgaacc tagtgtggac 360

agctgttacc tggcaggtat tctccatcgg tggcacagga ctgatcttcg agctctcctc 420

tctattctca aatgcaataa gcgttttggg actcccagtg gttcctatct tggctgtaat 480

cattttccat gacaaaatga atgggttaaa ggtgatttct atgatcctag 530

<210> 13098
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-B5

<400> 13098

atggaaagtt tccgctgaaa gctgttaacg taatgcatac tgtggcgttg agaaccgagg 60

caagtctacc tgtcagaacc tcggcatccc gtaccactgc ttacaagggt cacatgggcc 120

aaatgtttgc ttttcatgct tctataatgg caaatacact ganctcaccg ctaattgtat 180

ttacgagaac cggatccatg gcagtgcttc naagccacta ccgcccatct gcaacanttt 240

tcgccttcac aaaccanana agaataatgc aaaggcttgc tctttatcaa ggtgtcatgc 300

ctatatatat ggagttctcg gatgatgcag aagatacata ngcccggtct ctcaaactcn 360

tacaggacga gaatatgcca agganggaca acatgtanct cttgtccaaa gtggctcgca 420

aaccaattgg ccgtgaanaa tcaacccatc tcatg 455

<210> 13099
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-043-Q1-E1-B6

<400> 13099

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ggtctgcaat ctgcttcttg ctattcttca ttatctgctg cttcagctga agctgagagg 120

actatcagag aaggtcccag aaacgattgg agtagagatg aaatcaagtc tgtttatgat 180

tctcctcttc ttgacctcct cttccatgga gctcaggttc atagacatgt tcataacttc 240

agggaggtac aacaatgtac cctcctctcc ataaagactg gtggctgtag tgaagactgt 300

tcatattgtc ctcagtcttc gagatatagc actgggagtt aaggcacaaa gactcatgtc 360

taaggaccct gtcattgatg ccggctaaga aggcaaaaga agctgggaac aacacttttt 420

gcatggttcc tgctggcaag atacaattgg acggaaaaca a 461

<210> 13100
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-B8

<400> 13100

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gtctggggtt gatgagacat cagaatctgg agcttttgta agaacagcat caacattccg 120

caactttgtt tcacaagatc ctgattctca gtttccagct gaatcaggaa gataccatct 180

ttacatatct tatgcttgtc catgggcttg tagatgtctt tcttacttaa agatcaaagg 240

acttgatgaa gcaatcacct tctcgtcggt tcatgccatt tggggaagaa ccaaggaaac 300

tgatgatcat agaggatggg ttttcccgga ttcggatacc gagctccctg gagctgagcc 360

tgactatctt aatggtgcca aaagttgtga gagaactcta cgannattgg ctagcccaaa 420

ctatgaaggg aaattcactg gttcctggtc ctttgggana 460

<210> 13101
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-A11

<400> 13101

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cntccgcgga agcgtgggta aaaaacaaaa aataaaaaaa tccttcaaat ctttctttta 120

catatctgac aaaacaatgg ctagatttcc tatagcaata tgtctaatgt taatactagt 180

agcatcaagt accatatatg aagcgcaagg tgtattctta ttaaggcatt acatgaataa 240

atttcctaaa aattcccaag actttgagcc ttttgcttac aaaggtatgc ttagttttgt 300

ggataacctt gagaatatgg ctccggaaaa aggagagtac aaggatttct tctcaaagct 360

gaaagctttc atgtccttca taaacacggc aaaagggtcg tcttcagagt tccagtctca 420

aatgaaacaa caagctgagg gcctcttcaa ggctatctct gcattgggtg tcaaaggagg 480

atcatcggct gatacgaagc aaattgatcg anagtttg 518

<210> 13102
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-G4

<400> 13102

aaaaannntc cctngctngg nttttcagga taancngana tctatcngta naagaagcag 60

atacagaatt cagaaacgat gaccgacgtc gatgaatccg ttagacgccg tacagccgcc 120

gtttccgagt accggaaaaa gctcctccaa cataaggaac tcgaatcccg tgttcgaaca 180

gctagggaga acttaagagg agntaaaaag gaattcanca agaccgagga tgatctcaaa 240

gtctcntcaa agtgttgggg caaatttatt gggggaaatg ctttcgaccc cctgggataa 300

atgaaangat tgattgtgaa aagcgagcaa gtggtccaac gttatgtngg tggggttgcc 360

cgaaagcaan agtgggataa aggaaaagcc taanctcccg gnactcnaag ttggttctcc 420

gatatgacaa cacctaaaca anttatgccg a 451

<210> 13103
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-042-Q1-E1-G5

<400> 13103

cgtgggctca gatatcgtga ttcttgacga taactttgct tctgttgcaa cggttttgaa 60

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tgtagctgct ctagtgatca acttcgtggc tgcagtttca gctggagacg ttcctttgac 180

agcggttcag ttactgtggg ttaatctgat catggacaca ctcggtgcat tggctttagc 240

tacagagaag ccaacaaacg atcttatgaa gaagaaaccg atagggagag tggcgccatt 300

gatcacaaac atcatgtgga ggaatctact agctcaagcg ttttaccaaa tctctgtgct 360

cttggtgctt cagtttagag gaagatcgat ttcaacgtga ctgagaaagt gaagaacact 420

tgatctcaat acattgg 437

<210> 13104
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-042-Q1-E1-G6

<400> 13104

gcttcacaca cctttgatca gactggacac acctataaca ttacccgtat cctcaatgag 60

aagaatttcg atatcaatct agacgcttac aacggttaca gcaagctcta tttgagtgtg 120

atgttcgcgt tgctctatgg actcagcttt ggttctcttt gcgctaccat ctctcatgtt 180

gccctctatg atggaaagtt tatatgggga atgtggaaga aggcaaagac agcaacaaag 240

gacaagtacg gtgacgtgca ttcgagattg atgaagaaga attatcaatc agtacctcaa 300

tggtggttca tcgcagttct aagttatttc ctttgctttc gcactctatg cttgcgaagg 360

gctttgacaa acagcttcag ctcccatggt ggggacttat actcgcttgc gccatcgcct 420

ttgttcctca cattacctaa ccggagttat ccaagcaact aac 463

<210> 13105
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-G7

<400> 13105

ttcttcaact tccatttttc gaaaggcgac gagaaaaagt atttctccag ttttggaatt 60

cgccatggct gttgatagca gaatggatct gctaagcgaa agagctgtgt tgatgagagc 120

atctcttcaa aagagtcaaa ccatcaccga taatgttgtt tctatcctcg gctccttcga 180

tagtcgtctg tctgctcttg aaaccgccat gcgtcctact cagattagga ctcatgctat 240

aaggaaagct catgagaata ttgataggac tcttaaggct gctgaagtta ttttgtctca 300

attcgatctc ctccgtcagg cagagactaa agtactcaag gggccacatg aggacctgga 360

aagttatctg gatgcaattg ctcaactcag aaagatatcg ttatttatga gcaacaaaag 420

cnttaagagt agtgatggag t 441

<210> 13106
<211> 74
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-G9

<400> 13106

gagaagggca atatttttgg nctatgatgg cactctcgtt cctgaaagct ccatcatcag 60

ancccctaat gccg 74

<210> 13107
<211> 525
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-H1

<400> 13107

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naccatgtcg aagcgaanga agacgangaa cctctggtaa caagttcagg atgtcactgg 120

gtcttccaan tggcagccac tgtgaactgt gctgacaaca ccggagcnan gaacctttac 180

atcatttcgg ttaaaggaat caagggtcgt cttaaccgtt tgccatcagc gtgtgttggt 240

gatatggtta tggctactgt taagaaaggt aagcctgatc tccntaagaa ggtgcttcct 300

gctgtcattg ttaggcagag gaagccttgg cgccnaaagg acggtgtcnt catgtatttc 360

gaanataatg ctggtgtcat tgtcaatccc aagggtgaaa tgaaaggatc tgctaacact 420

ggaccaatcg ggaaaggant gtgctgatnc tgtggccaag aaatcncaan tnctgcaaac 480

gccaaccntt taancaannc ttganatccc aangttttgn gttgg 525

<210> 13108
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-H11

<400> 13108

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gtttactctc ttcacttttt ctctcaaatg caaacgctaa gccaaaacta ggcttcaccg 120

cggatctaat ccaccgtgat tctcctaaat cgccgttcta taacccgatg gaaacctctt 180

cccagcgtct acgaaacgcg atccaccgat ccgttaaccg tgttttccat ttcactgaaa 240

aggataacac accacaacca cagattgacc tcacctcaaa tagcggtgaa tatctcatga 300

acgtatccat tggaacacct cctttcccga tcatggncat cgccgacacc ggaagtgatc 360

tcctctggac gcagtgcgca ccatgcgatg attgttacac tcaagttgat ctctctttga 420

ccctaaaacg tcttcnnata naaa 444

<210> 13109
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-H12

<400> 13109

ncctgggctt tccgggnccg aaannтcngg ttatcccggg cngacncacg catcctgagn 60

aggaggaaga agacnaagaa gaagaggagc agctactacc atggttctca agacggagct 120

ttgtcgtttc agtggacaga agatttaccc aggaagagga attaggttta tccgatctga 180

ttctcaggtt ttcttgtttc ttaactcaaa atgtaagagg tacttccata acaagttgaa 240

gccatccaag cttgcatgga ctgccatgta cagaaagcaa cacaagaagg atgcagcaca 300

agaggctgtg aagacaatga gacgtgccaa cangaagcca tactcaangt ccattgttgg 360

tgctaccttn gtactnattc agnataaaga gaactgagaa anctgaattt cntgatgcaa 420

gncanggaaa ctgctctgcc tgagatnaag gaaaagatca ctgagaccac agattgcnaa 480

nangctanna aggtggattt tgcttcna 508

<210> 13110
<211> 538
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-H3

<400> 13110

ggnnnnngac ggtttccggn ncacggtccg ganaccgggt cgaccacgcg tccgncaaaa 60

canaattaca canatgggaa ctaataagat tcccaaaacc ctcaacggga accttgttct 120

tatacttatc atcaccataa tgatggtgac tcactcccat ggatttcaac tggagatcag 180

gaacgagcta tcaggaaggt acaggaagct tgtgtacaaa tgctggtccc gcgataacga 240

tttcgggtgg cgacagaact ggccaggcca gtacaaggac tggtccttcg ccatttcact 300

attccacacc tacttctact gccacttccg tacagcgtat gngacgcgtg gataagcagc 360

tagtagccgt catgggagtt aaaacaagag tgtggggaca ggaganaatg cacttggggt 420

cgttaaagaa aggacgggac tctacttgag acaattggaa gaccaaantt ttttagtaac 480

aangtatggt aacgaaaagg tggaatgtgn aaaattgaac ntgaatgtcc ncangaaa 538

<210> 13111
<211> 309
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-H4

<400> 13111

tgaacgttct nncgtatgng tggtgatcgg ntnnctagtg ttcgtangct ccatgctcgc 60

gcatcgaact acctaccacc tatccttctc agttaattca cgggcgatgt tacgctcgat 120

gatgagttcc ggggcctgtg tttcgtacct aatttgaang aattgttgag ttcggtttac 180

acccatgccc gcggttctcc ttcgtgggga agtcctgggg caacaaacat cggngccntg 240

ttcacctctc ggcanncgca atttgntgcc ttggctcgcc attggntgaa atgaatttgc 300

cgggtttga 309

<210> 13112
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-H5

<400> 13112

gggcagacat gtgagagggg agaggatcct ataaacaatt taaatctaag atctctgctt 60

cctccttctc atatatatat tgcatattta cacatagttc ctctatacag aaactgatcg 120

agaaaactca cgaaacaaga ggctaatcaa aagcatagaa gaagaatggt ttcaagggaa 180

cagaagagag gttctttgca agagaagttt caattgcttc gttcaatcac taattcacat 240

gctgaaaacg atacatcgat cataatggat gcatcaaaat atatccaaaa gcttaagcag 300

aaagtcgaaa gattcaacca agaccctact gcagagcaat cttcaagcga gcccacggat 360

cnaaaaacac caatgggtaa cagtgggaaa ccctagacaa gggtttatga taaacgtgtc 420

tcagggaaag aatcancaag ggatgcttgt ttcggtatta gag 463

<210> 13113
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-H7

<400> 13113

gtctgagaaa tcagattcag gagcaaatgt tgctgtaaat gagaacaatc aagagaatga 60

aagagctcta ggtccatcca tctatctaaa gggtttaccc cttgatgcaa cacctgcctt 120

gcttgagaat gagttccaga aatttggact tattaggacc aatggaattc aagtgagaag 180

ccagaaggga ttctgttttg gttttgttga gtttgaatcc gcaagttcca tgcaaagcgc 240

tatcgaggca tcacctgtca tgctcaatgg acacaaagtt gttgtgngag gaaaagcgat 300

ctaccgcaag anggaactat agaggacgtt ccacgtttgg tgtaaacaca cgctacacan 360

acgaacngan gaaggggtcn tgggagcttt ggaagtggna tangangnta nngccgggcc 420

ganttcacgg ntatcgtant ntaaggggaa acattccggc gngg 464

<210> 13114
<211> 259
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-H8

<400> 13114

aacntcncct tccaaatctc gnggtcnaan tcttcaccaa tcccttcact tcactcctgt 60

aagtcaaaac tctaatccct cttctttgtt ccccgtggaa gaagacagca catacctcaa 120

tttagttttt gttttgtctt tgctctgtca caaaatcaaa aacttttctt ctgtctttca 180

aaaatagtgg gaattgatag gttatagctc gaaatgcntc gtgtttttgc cntaaaantg 240

gngngaanaa gtgggcaaa 259

<210> 13115
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-H9

<400> 13115

naaccttcta aggtttaagc cttctccgtt agatttagct ttgatgttta aaaatctttt 60

caaagttgta acctttcgaa tcttctgaag aaacccatgt ccatgaatgg tcagagaagc 120

tcttcaattt ctttctcgcc tgagaaaatc ctcgaatctc ccagacccat tcacctgcaa 180

caagcatatt catcagctaa tcaattccaa ttgcggcatt ctatctctca aattcttagc 240

ttacttagtc tccagaggtt acactcctca tcgttcttca ttcaattcgg tcgtancgtt 300

tgtttgtaaa ctagggcaag ttaaattcgc tgangatatc gttcactcga tgcctaaatt 360

cgggtgtgaa ccaagatgtt anatcttana actctctcat tgatgggcat ttgtngaaat 420

gganatatca nnantgcnan tttgggtttt anagag 456

<210> 13116
<211> 191
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-A10

<400> 13116

tctcttaccc nnacggcggc natgcgctcc gcctagagct agttctcgcg ccgacgattc 60

tccgcccttc gatatgtctg tggagacggc gcttantgtt ctcggagtct ccgnaggagc 120

ttncttcgac gaaattcttc gtgccatnga aatcgattct ggcttctcgt aaggatganc 180

ccaaacgcta t 191

<210> 13117
<211> 533
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-G3

<400> 13117

ggntgnngaa tggtctctgg gnccacggtc cggatnaccg ggtcgnccca cgcgtccgac 60

anaaacagct cttgacgtta cctgaaaatg gtgaacttcc tgatgatatt gagtatgang 120

ttgatcttaa ggtgacattt gcaaaccata ggcttaagag agcgtatatt gctctccang 180

cctgnaaaaa ngcggtgtat tcanacncgt ttaacaccac aggaaactgg catggccctc 240

atgtgtgtgg ctatacgggt gtgttctgtg ccccggctct tgatgatcct gacgtcgcgg 300

ttgtggcggg ggttgatttg aatggtgcgg atatcgcagg gcatttaccg gctgaacttg 360

gtttgatgac angatgttgc gatgtttcat ttgaattcaa accggttctg tggtatcata 420

cctaagagtt tcgagaagtt gagcctaatg cangactttg atgtcagcaa caancgngtt 480

tgtcngancn ttcccttcng ttgtcctccc ntnggncggc tgttaagttc ant 533

<210> 13118
<211> 347
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-D10

<400> 13118

aaagagcagn agagtactat cttcctctta aaccaaccat tcaaaatgtt gcgtactatc 60

ttcctcttat ctcttctctt tgctctatcn aatgcctctg ttcaagattt ctgtgtcgca 120

aanctgaatc gcgctgaaac ccctgcgggt tacccttgca ttcgtcccat tcatgtcaaa 180

gctacagact ttgtcttctc tggcttaggc nntcctggaa acactacaag catcancanc 240

gccgctgtca caccccgctt tcgcagctca gttcccgggt ctgaacggtc taggnctctc 300

tacagcnana cntgacttaa ctcctaaagg tgtgattcca angcaca 347

<210> 13119
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-D2

<400> 13119

nnnnngaatg gtttcctggc gcacggtccg gananccggg tcgaccacgc gtccgagaga 60

acaaaaggtt aggctttatt gattactagc cagctcaatt ttctttcttt ctttctttct 120

ttctctggga gtttgggatt ttcttaaggg tctttttcaa ttctcgctcc attttgtacg 180

catagaactg ggtttgtgtt tacacacata aagctcttat ctttttttctt cnttcnaatc 240

gaagaagatt atagagcctg agtgactgga antggtnggn ttccttggag gttttaatgg 300

ggaaggttgt ttcangcaaa ncggattaaa ncanatattg cttccantac atgggctaan 360

ttcgaaattc ttgaagtaga gatggnagca agggctcgtc gaccgcttcc ttccctaaaa 420

ngcccc 426

<210> 13120
<211> 70
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-D7

<400> 13120

ntcttcntgt tctccttctc aagcttttag tcttgaccct tctcancaaa atcagttctt 60

gtnaactaac 70

<210> 13121
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-E1

<400> 13121

gcactttatc acattctctc accagacaca aactccagat tcatccgaca atggaaactt 60

tcagaacatt ccatcttttt ctcttcttct tcttcttcac attcactacn accctgacgt 120

caccatctca gatcgcagac tgtacaatgt gcacttcttg tgacaaccct tgtcaaccaa 180

acccttctcc tcctcctcca ccgtcaaatc catctcctcc tcctccatct cccaccacca 240

ccgcctgtcc tccacctcct agctccagtg gtggtggtcc ttactactaa ntaccctcct 300

gcttctcaat ctggctctta ncgtccacca ccttcttcct ccagtggtgg ctactactat 360

ccacctccta aaagtggagg aaactaccct tatacancgc ctccaaagcc tatcgttcca 420

tattttcgtt tacagtacaa cctccgccgc naatctggtt atg 463

<210> 13122
<211> 102
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-E10

<400> 13122

ttgaaggaat tgtcttccct ggattctgat tctctcaata acctcagnnc cgtatacggt 60

ctgatntttc gtttcaaatg gcatggcngg ggaaaaggnt ga 102

<210> 13123
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-E8

<400> 13123

ctatgttgga gatgcttatg actctggcag caagattgac gacaatcata ttttaaggaa 60

gcttaaaccc aaggaaatct ggcatctgac tgtgcttggt tcgattgcaa ccacacaaag 120

ggaatatgtt gctttgcatg cgttttccca gcttaaccca cagatgcaaa atgcaattct 180

caagcctagc ccagagcagt ttcctaatta cggggagcag actcctacag tgcccgattg 240

tttcactccg agctttgctg gccatttaca cagaagcttt aatgctcctc agttggcagc 300

aattcactgg gccgcaatgc atactgcaac tggtaacaag caagtggggt taaagaagcn 360

agatncaatn ggcaattact cctggtcaag gggcctccaa gaacangcaa gacacncncc 420

agtttgggga aatgttnaaa tgttaccaat ttggttcaan tancagcann tnntt 475

<210> 13124
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-F1

<400> 13124

acttttcacc aaaatgacat tactttcctc tctcggaaga gcctctcgat ctgctccact 60

tgcctctaag ctcctcctcc tcggcactct cagcggtgga agtatagtgg catacgctga 120

tgctaacgaa gaagctaaca aaaaggagga gcataagaag aagaaagtag ttgtgcttgg 180

gactggttgg gctggtataa gtttccttaa agatctcgac ataacttcct acgatgttca 240

ggttgtgtct ccccagaact actttgcctt tacgccattg ttacctagcg tcacttgtgg 300

aactgttgaa gctagaagca ttgtggagtc tgtccgtaat ataaccaaga agaaaaatgg 360

ggaaattgaa ttgtgggaag cagattgttt taagattgat catgttaatc anaaagttca 420

ctggtccgac cagtttcaan ggatgattct gaac 454

<210> 13125
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-F11

<400> 13125

ttgagtncga cacattatca gggattctaa cagctaaaca tctcaaaaat gatgatgatg 60

gagaagaatc aagtatcgaa ttggatttcc ctgttgttcc aacatatgaa gtcaactaca 120

ttgatgatga tctctctttg ttctccaaag ccttgaatgg agctaccatt cttgatgtca 180

aagccacaaa gaaagacctc ctcgttgtgc tttcatcttg ggaagctgtt attgatttga 240

agccaagatt agatgagata tcgaaatgcc cttgtgaagg aatgatggtg actgccgctg 300

cttctgatgg atctacttat gatttctgta gtcgctactt tgccccgaga ttcggaatca 360

atgaggaccc tgttactggg aagtgctcat tgtgctttag ctcattactg ggagcctcan 420

gatgaacaag tgtgaattcc tcgcctaaca ag 452

<210> 13126
<211> 539
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-F2

<400> 13126

gggnnnnnng gaanggtttt cctggngcca cggtccggan naccgggtcg agccacgcgt 60

ncgcgtnnaa atgaattgaa cagtcagcat cgttttgctt gcttgtgcgt ttctctcgaa 120

ctctctccat gggctgttgc gctccaattc agccgattat gcgttcgacc ggatactttc 180

gtgcgggaga atcatctctc tggatccgga tctctccgcc gccggaaagc tttatcagtc 240

cggtgctcgt ctggcgatga gaacgctcct tcgccatcgg tggtgatgga ctccgatttc 300

gacgccaagg tgttccgtaa gaacttgacg agaagcgata attacaatcg taaagggttc 360

ggtcataagg aggagacact caagctcatg aatcgagagt acaccagtga tatattggag 420

acactgaaaa caaatgggta tacttattct tggggagatg ttactgtgaa actcgctaaa 480

gcatatggtt tttgctgngg tgttgaagcg tgctgttcaa aantgcntaa ngaagcacc 539

<210> 13127
<211> 532
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-F4

<400> 13127

ggnnnnnnga atggtttctg gnncacggtc cgganaccgg gtcgagccna gcgttcggct 60

tnnacttnna tttnaaatac ccttttcctc nctttctcca aatctctgaa aattttcacc 120

agaatctctg ttctttttt caccagaatc tctctgttta aaataatagg tgatgatgat 180

ggatgagttt atggatctta gaccagtgaa gtacacagag cacaagactg ttatcagaaa 240

gtacactaaa aagtcgtcta tggagaggaa gaccagtgtt cgtgactcgg ccaggttggt 300

tcgggtctca atgacggatc gtgacgccac tgattcatca agcgacgagg aagagtttct 360

gttccctcga agacgtgtca agagattgat taacgagatc agagtcgagc ctagcagctc 420

ttccaccggc gacgtctcgg cttctccgac gaaggaccgg aaaagaatca acgttgattc 480

tacggttcaa aagccctctg tttcccggcc aaaacnagaa gaagttaccg cg 532

<210> 13128
<211> 300
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-F5

<400> 13128

gttgaaggaa ncagcgaacg cattattgcg actattnant ctgagaagga aganctggag 60

gcancactga acaaagagag gatgcagact ctccaactaa ggcaagagtt agganaagca 120

naattacgaa acacagattt gtacaangaa cttcaatctg ttcgtggcca acttgcagcc 180

gaacaatcaa ggtgtttcac actggaggtt gatgttgcag agctaataca aaggcttcan 240

ncattggaan cactacagnt aggaactcga actcctgcaa cgtcanactg ctgcctcana 300

<210> 13129
<211> 531
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-G1

<400> 13129

ggnnnnnnga cggtttcctg gcncacggtc cggaaatccg ggtcgaccac gcgtccgaaa 60

ggaacaaanc aagcaaggat ctgtttcaga gagaaaaaaa agaggttccg acttttttgtt 120

agctagcggc tcactctact ttgtctcccc caaaaaagcc gttagggttt atcatatcca 180

ccgccttgct ttactctcgc cggagtcgta cggcgaagca cggttgttcg gcgttgtctc 240

agctttagat tcttctcttc atagctagaa ttcgcgaaag ctgactttag ctgaaacgaa 300

tttctcctaa ttttcgagat atggcggagg tatcgatggg aagcagcagt agcagcacgg 360

atctgtctcc cgaggaagag cgagttttca tcagagacat tgctattgct gctgaggcta 420

atagtaaaga aggcgataca ttttatctca tcactcagag atggtggcaa gaatggattg 480

agtatgtgaa tcaagaccaa ccatgtaaca caaatnatgg gtcctcactg g 531

<210> 13130
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-G10

<400> 13130

gatttttca aataaaataa aataacggaa gctggtttan agaacaccgt tganttctat 60

tttcccatan gctgaaaana anactaaatt tttgtgttgc ccaccanaag gtttgaaatt 120

ttgatccgac gatacttgag ctgatttacg ttattagtgc tatttcgatt tcctcaaaga 180

tttcgttttt ttttttccttc taaatttctt aagttaacct ccttgcgtgt gcaattggtg 240

cacttaagca attcctcttc tggggctggt gatttggttt gcgattggtt ttttttttt 300

agggtttgat tgggtcgtgg gcctgatttt tcnnctaatt gcnggcaaca gagtctgtgg 360

gaggnttgan tttggnntna agtgttacct tttttgnntg gggggattca cattcaatcn 420

gg 422

<210> 13131
<211> 526
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-G11

<400> 13131

nngnnnnnnn nggggngang gtcncctggg ttnccnggnc gantcccgga tagacccacg 60

cgnccgaaag acctgagcaa aaactgaaag aaaaaaaaaa aaaaaaaaaa aaagacttct 120

cctcaaaaat ggcgtttaca ctaggtggaa gagctcgtcg tctagtctct gcaacatcag 180

ttcatcaaaa tggttgctta cacaaactgc aacaaattgg ntcggatcgg tttcagcttg 240

gtgaagcaaa agcaataaga ttactaccca ggagaacaaa catggttcaa gaattaggaa 300

tcagggaaga atttatggat ctaaacagag aaacagagac aagttatgat tttctggatg 360

aaatgagaca cagatttctg aaattcaaga gacaaaagta tctaccggag atagaaaagt 420

ttaaagcttt ggccatagct caatcaccaa aggtaatggt gataggatgt gcagattcaa 480

gggtatgtcc atcttatgtn ctaggatttc aacctggtga agcntt 526

<210> 13132
<211> 55
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-G12

<400> 13132

gggaagatgg ccgcaccgat tcgccttctc ancagtttgc gcaccctgat ntggg 55

<210> 13133
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-C9

<400> 13133

ggngaanggt ttganntgnn cnccgagntc gaaatcccgg ganaganntt ttcnnacgat 60

atngataatg antatgagaa gctgataaga agaatgaatc caccaagggt tgtgattgat 120

aatgactctt gcaagaaggc aactgtgata agggtggata gtgcaaatga atatgggatt 180

cttcttgaag ttgtacaaat ccttactgat cttaacctta ctatcactaa ggcgtacata 240

tcttctgatg gtggttggtt tatggatgta tttaatgtca ctgatcaaga tggtaacaaa 300

gtcactgatg aagttgttct anactatatc caaaagtctc ttgggcctga agcttgtttc 360

tccacttcca tgagatcagt tggtgtcata ccatcaacag acagcacggt tattgagtta 420

actggatgtg acagaccagg tctgctgtct gaactgtcag ctgttttgac ccatctcaaa 480

tgcagtgtcc tcaacgctga gatttggaca cac 513

<210> 13134
<211> 82
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-G2

<400> 13134

cggggaatga agtcacgatc tccggngaat cgaggaataa agtaactaac ttgggagata 60

acgatnccgt taaattggng aa 82

<210> 13135
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-D11

<400> 13135

gnnngnngga actgngtcng ctttgnactg cccgtccgga cgatcaaaag gtcgacccnn 60

gcgtccgttt antggtattg cctaaaccat tggtgtttaa gagtaataag gatcagttta 120

agtttgtgga gccgcggcta acttatggga cgattggtgg acggtttagg aaaggcgaga 180

atccgtttgt cgaagaagcg tatcagcgag ttgcgttgga tcagttgctt aggattgctg 240

gtattcaaga agatgatttg ttgataatgt ctgatgttga tgagattcct agtgctcata 300

ctatcaatct tttgagatgg tgtgatgata ttcctccagt tcttcacctt cagttgaaga 360

attatttgta ttctttcgaa tactatgtcg atagcaagag ctggagagcg tctatacacc 420

gttacagtcc agggaaaacg cggtatgctc atttccgtca gantaatgtt atgttaaccg 480

aatctggatg gcantgttnc ctctgtttcc 510

<210> 13136
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-D12

<400> 13136

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ttgttcttct ccatcgtgat attcatctct ctctctctct ttcttgttct tctccatcat 120

gatatttatc tctcgcttct gccggcaaaa tctctccaac atttcatcct tcgaattgag 180

agagttgcaa gtcataatta cttgtttgag ccgctattat catcatctgc atgataaatg 240

gttaaatgga gaagtggata cagttgctag aatgattgat gtctgttgtg taaggaattg 300

gatacaatta ccgaatggaa ngctcataga agctagacta aaggatggat tacaagaaca 360

cacaaagaca tggcttcttt taaggctgaa ctgctttaac actgggtaag aaactatctc 420

tcaatatcct aaaatcgatt atg 443

<210> 13137
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-D3

<400> 13137

taaaaatgac aactccagca gtgaagaccg gtttgttcgt tggattgaac aaaggacacg 60

tcgtcaccag acgtgagcta gctcctcgtc ccaattctcg caaagggaaa acgagcaaga 120

ggaccatatt cataagaaaa ctgattaggg aagtagctgg aatggctcct tatgagaaga 180

gaatcactga gcttctcaag gttgggaaag acaagcgtgc tcttaaggtt gctaagagga 240

agttgggtac tcacaagaga gctaagagga agagagagga gatgtctagt gttctccgca 300

agatgaggtc tcttggtggt gctgctgctg ctgagaagaa gatgtagaca tcttattang 360

cttctgtgtt atggcatatt tctttctatt ggaaatcaag ttttggcttc tgtatgctca 420

aaaagcgttt atgtgttgtg ctttgt 446

<210> 13138
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-D7

<400> 13138

aactacaacg ctctttctcc gtaggaaagg ggaancaaat aaattatcna nncccactgg 60

tttcgganct gatcggtctc tagttctctc ttcatacata tcncatcaga taaagttgat 120

cggacactat aatggganga ggatttatga gttttgcatt tggtgaggcc aattcttggc 180

ttntctgcct gaggttcaga gtgctgatag gaaggttcca ttcagagaga aggttatcta 240

cactgtcatc tctctcttna tcnttcntgt ctgcaatcag cttcctcttt atggaatcca 300

ttccaccacc ggtgcggatc cattctattg gatgcgtgtc attcntgcgt ccaancgtgg 360

aactgtcatg gagctcggta ttactcctan tgttacatct ggacttgtga tgcaactctt 420

ggcngggtnc caagattant gagg 444

<210> 13139
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-041-Q1-E1-E10

<400> 13139

gctttgagat cttagccatt aagttctctt gatgatgtct ggttcaagat tagcctctag 60

actaataata atcttctcaa taatctccac atctttcttc accgttgaat cgattcgact 120

attccctgat tcattcgacg atgcatcttc agatttaatg gaagctccag catatcaaaa 180

cggtcttgat tgctctgttt tagccaaaaa cagactcttg ttagcttgtg atccatcagc 240

tgttcatata gctatgactc tagatccagc ttacttgcgt ggcacggtat ctgcagtaca 300

ttccatcctc aaacacactt cttgccctga aaacatcttc ttccacttca ttgcttcggg 360

tacaagtcag ggttccctcg ccaagaccta tcctctgttt ttccttcttt gagtttcaaa 420

gtctatacct tt 432

<210> 13140
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-E11

<400> 13140

gggtgaggtg ctacaagcat gagaagctat gggaaggcat ccagtcgctt ggaagtctcg 60

aagagatgga tctgtcagaa tctgaaaacc tgacagaaat tccagatctt tcaaaggcca 120

ccaatctgaa gcatttatat ctcaacaact gcaaaagttt ggtgacactt ccttctacta 180

ttgggaatct ccaaaaattg gtgaggttgg aaatgaaaga atgcacaggg ctggaggttc 240

ttccaaccga tgtcaacttg tcatctctcg aaaccctcga tctcagtggt tgctcaagtt 300

tgagaacttt tcctctgatt tcaaagagta tcaaatggct ctatctggaa aacancgcca 360

ttgaagaaat tctagatntt tcaaaaggcc accaagctcg aatcctttga tactcaacaa 420

ctgcaaaatt tggtgac 437

<210> 13141
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-E12

<400> 13141

ngnnnngnng gaantggttc tgcttggntc tggccgtccg gacatccang ggtcgaccca 60

cgcgtccgcc caagcgtccg ggaaacagag aggtttggtt ttgcgttgcg tgagctgttt 120

cctctttaac tctctcttct tctacctctt gaccctctct ctctctctct ggtgatgcgg 180

tttcttcctt ggaagccatg aaaacacaat cagcttcacc gttcttcttc gtctccttct 240

tcttcttctt cttcttcttc tcttctctgt ttcttctctc ctctgcttta aactctgatg 300

gagttctctt actgagtttc aaatactctg ttcttcttga tcctctctct ttattacaat 360

catggaacta cgaccacgac aatccttgtt catggcgagg tgtgttgtgt aataacgatt 420

caaagagttg ttactttatc tctcccaaac tctaacctcg ttggttcgat tccttccgat 480

tctgggttcc tccaaaacct ccaaaagtct 510

<210> 13142
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-E2

<400> 13142

aaagaagggt cttagtgact tggcctgtca ctatttcagt aaagctgggg taagtgcaat 60

ccgaaggttg agaaaaactg acaacaacag aatcgccaag gcttgtggag cagtaattgt 120

gaacaggccc gacgaactgc aggagtctga tatcggtact ggggctggct tgtttgaggt 180

caagaaaatt ggagatgatt tcttttcttt cattgttgat tgcaaagaac ccaaagcctg 240

tactgtactc ttaaggggac caagtaaaga tttcatcaat gaagtggaaa gaaatttaca 300

ggatgccatg tctgttgcaa gaaacattat caaaaaccca aagctagttc ctggtggagg 360

agccacagag ctaaccgttt ctgccacatt aaaacagaag agtgcaacaa ttgaaggcat 420

agaaaagtgg ncttatgaag caactgccat tt 452

<210> 13143
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-041-Q1-E1-E4

<400> 13143

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caaggaagaa tttttctggg gcttcctatc tctggacaag acgaagattt tttcaagggt 120

ctcgacgtca ctgcagatca gaaaaagagt tttaagaaag ctttcaacac atattatgat 180

gctcttgcag atctccttca gtctgagcac aagttacttc tccaaatgga gaaagaaaat 240

gcaaagctgg taaatgctaa aggagagctt agtgaagaca gtgcatcttc ttatgaaaag 300

ctgaggaaat catacgacca tctctatcga aatatctcat ctttgggccg aagcacttga 360

tatgcaacct cctgttatgc cagaggatgg tacaactacg ctcac 405

<210> 13144
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-E6

<400> 13144

tcatctcttc tccgttcatc ttccggtaga tctgccgcca aattagtcaa ccgaaacccc 60

aggcttcctt ctccttcacc cgcgcgtcac gccgctccat gtagctacct cctcggccgc 120

gtcgccgagt atgcgacctc ttcaccggca agctctgctg cgccatcctc tgctcctgct 180

aaggatgagg ggaaaaagac ctatgattac ggtggcaaag gtgcgatcgg gcgtgtttgt 240

caggtcatcg gtgccattgt cgatgtgaga ttcgaggatc aggaaggatt gcctccgatc 300

atgacatctc ttgaggttca agatcatccc acaaggctgg tgcttgaggt gtctcatcat 360

ttgggtcaaa atgtcgttag gancattgct atggatggta ctgaaggtct tgtccgtgga 420

angaaggtt 429

<210> 13145
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-041-Q1-E1-E7

<400> 13145

agagagaaga tagaaacata aaatgtcgga gaagaaggga aggaaagagg aggtggtgac 60

cagagagtac accatcaacc ttcacagacg ccttcatagc tgtaccttta agaagaaggc 120

tccaaaggcg atcaaggaga taaggaagtt tgctgagaag gaaatgggga caaaggatgt 180

gagagtggat gttaaattga acaagcagat ttggagcaaa ggtatcagag gtcctccgag 240

gagaatcaga gtccgagttg ctcgtaagag aaatgatgat gaagatgcaa aggaagagtt 300

cttctctctt gtcactgttg ctgaaatccc tgctgaagga ctctctggcc tcggcactaa 360

gatcattgaa gaagaggatt aaactatctt atagtaacaa caacatttga tcagattttt 420

cgagttttgt ttttcgaatc cttatt 446

<210> 13146

<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-E8

<400> 13146

anagataagg atatggcctt tacgaacgtt tgcctatgga cgctactcgc cttcatgctg 60

acttggacag tgttctacgt cacaaacagg gggaagaagg cgacgcagtt ggcggatgcg 120

gtggttgaag agcgagaaga cggtgctact gacgttatca tcgttggggc tggagtaggc 180

ggctcggctc tcgcatatgc tcttgctaag gacgggcgtc gagtccatgt aatagagagg 240

gacctgagag aaccagagag aatcatgggt gagtttatgc aaccaggagg acgactcatg 300

ctctctaagc ttggtcttga agattgtttg gagggaatag atgcccaaaa agccacgggc 360

atgacagttt ataaggacgg aaaagaagca gtcgcatctt ttcccgtgga caacaacaat 420

tttccttttg attcttcggc tcgat 445

<210> 13147
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-E9

<400> 13147

cacaatcatt ctctcttctc tctccctctc tgttctcaaa ctccatttta gtagcaagct 60

tagatctcct ccttccacag tcactttctc ttctttctct gcttttgttt cttcangcga 120

tttgcttcag atttccccag attatataga attcgatgtc aagacacaga attcacatgg 180

gttttgtcta aaaatcataa aaatcatatc tttttacgga tttgaagatg aatcagaatt 240

cctctgttgc ggaggcgacg cttcagctta attccggtga aaaaccatcg ccgggatnga 300

ttccgtttaa ctcctctggg tcaacacgga aacataagca cttcagcgac gagttcgaca 360

agcacaagct cangtantgc tcttgccgta gttaaatccg ncgtgaaaaa accaaactan 420

aagatnggna tactaaagtc gatg 444

<210> 13148

<211> 103
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-F1

<400> 13148

tgtcngaact tcttggtgtt gatgttgtaa tggcagatga ctctantggt gacggaagtc 60

cataagttgg ttgcaagact acctgaaggt ngtgttttgc ncc 103

<210> 13149
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-F10

<400> 13149

attgacaaag tactcaattc caaaacaaag aataagcaaa caacaacaat tttcacttcc 60

ttcaaaaatt ataaaaatcc agtttttatc tttgcaagat tcaaaagttt gaatttttac 120

ttgttttgat ttctgggttt tgtttgtttt ttgatttcgg taatgataca attgagattt 180

tgatttcgtg tgatgttgag agattcttaa atgggtctat gtacttcgaa accgaattca 240

tctaattccg atcaaactcc ggcgaggaat agtccacttc cggcgtctga atccgtcaag 300

ccttcgagct cttccgttaa tggtgaagat nagtgtgtaa caacaacgaa caatgaaggc 360

aaaaagtctc cgtttttccc tttttatagt ccaagtccaa ctcacnaatt cctctccaaa 420

aa 422

<210> 13150
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-041-Q1-E1-C6

<400> 13150

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gcgagcactg agccagagcg tgagaaccgt gaagatgaaa ccgaagtcaa cgaagatgaa 120

gacaccggag ctcaggtagc tccgatcgtt aggcttgaag aggttgcagt caccaccggc 180

gaagaagatg aagacgccgt cctcgatctg aaatcgaaga tgtatcgatt cgataaagaa 240

gggaaccaat ggaaggagag aggagctgga actgtgaagt tattgaagca taaggaaact 300

ggaaaagttc gtcttgttat gagacaatct aaaaccctaa agatctgtgc caatcacctc 360

atttcgtctg ggatgagtgt tcaggaacat agtgggaatg aaaagtcttg tttatggcac 420

gctactgatt tctccgacgg cga 443

<210> 13151
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-B10

<400> 13151

gaatctcata gggattcaaa attaagaaga aagggtaaaa caacaagaat tgggtccgtt 60

gactaacttg tgtttttgct attccttgtt tttgggcatc acaaatccat tgtaggagcg 120

gaatacatgt ttcaaaacgt ttggaggggt caaagcaagg agatggtaag tcaggtgata 180

cgagcttcaa tgtgcttcgt cgccgtgctt tcgccaaagg agaaagatct aatcaagaag 240

ctccccggac aaccttccgg gcgttagttt tagacagtat ggcggttatg tgcccgtaaa 300

cgaaccatcc agtcngtttt tgtactatta ttttgtggaa gccatcaaac ccaatacatc 360

tactcctctg gtcatctggt tcaacggang accnggcctg ctcatctcta ngtggggcat 420

ttctaaaagc ttggtccctt ccgcgg 446

<210> 13152
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-B11

<400> 13152

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gcgtccgcan tatccancca aaaccagttc tctcggcctt tgagttcagg gcacttgcaa 120

tgactacagt gagatccctt ttgatgtttt atttgcctct tttggagcct aaaacggctt 180

cagaggatga tgatgatttc ctaaacaatg ctgcagaaga aaaccgccac acagacttga 240

ttgttcctct taaaaagtca gcaaagcaaa ttgcccgtga gaccacagtt gtgaccactc 300

ggagagtcct tgaaaggctg gctctgagtt atgtctcaca gcgtatggca tggaaacttc 360

taaaggatgt gcctcagtcg gctttacgca aggctcagag agggttgccg acacatgtat 420

atatctttaa agtcagccaa acaactctta gaggtcactt cctgggaatc gcagcatcat 480

gggtagttca agtaggcatt gaaatctaca ga 512

<210> 13153
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-B12

<400> 13153

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ctgaaaccga agaaccctag aattttatgc cttcatggat tcagaactag tggtcggatt 120

ctccaagccg gtataggtaa atggccggac acaattctcc gagatctcga cctcgatttc 180

cttgacgctc cttttccggc caccgggaaa tcggacgtcg agcgtttctt tgacccaccg 240

tattacgagt ggtaccaggc taacaagggg tttaaggaat ataggaattt tgaagagtgt 300

ttggcttata tagangacta catgataaaa gaatggacct tttgatgggt cttcttggtt 360

tttctcaagg gagcttttct aactgcagct attcctggaa tgcaagaaca gggatcggct 420

cctaa 425

<210> 13154
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-B2

<400> 13154

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gtcttcaaag ccagatagag aaattgccca attggttga ggatatagtt cagacatcga 120

taaacacagg tccacgaggt gtgacacgcc ttgtccaagg tgttcaagcc tttgtagggg 180

ttggaggaga gtggctaaat gatttatcta agtctacaag cgcgtctggt ggattaccaa 240

gtgaattgca gcttggtcta ctgtctcctc tatatttgag gaaactcttt gaacgcatgg 300

gagctactta cattaagctg ggccagttta tagcatctgc gccaactttg ttcccaccag 360

aatatgtcaa agaatttcag aactgctttg acaaagctcc tcctgtgcca attggaagaa 420

attcgtaaaa tcttgcaaga ngagcctggg 450

<210> 13155
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-B3

<400> 13155

tngtttaant ctcttcttaa tctcctcctt catctctact tctcttgccg tcgaacctcc 60

gcctgaaaca atctaccaaa actttctcca atgtttcaca aaccaaacaa aagctcctcc 120

taactcatta gccgacgtcg ttttaccaaa aaccgctgcc gctttcaccc ccgtcttacg 180

cgcttacatc cgtaacgcgc gtttcaacac cacagcgact ccgaaacccg cgatcgtaat 240

cgcggcgcgt tccgagagtc acgtccaagc tgccgtcatc tgcacgaaat cgctaaacat 300

ccaactgaaa actcgaagcg gtggtcatga ctacgaaggt gtttcctaca tctctcacgt 360

tcctttcttc gtcctcgaca tgtcaaatct ccggtaacat caacgtcgac cccgccacaa 420

gagtctgcat gggtcggtgc cggtgcaaca ct 452

<210> 13156
<211> 529
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-B4

<400> 13156

ntgnnnnnnn nggtngngga ntggtctcct ggtctctacg gcccggacgt cccggatcga 60

cccacgcgtc cgatttgcct ccttgaaaat ttccaatgac gaagaaactc aatccactgg 120

aagatccacc aacggcaact tcaagcgacg aagatgacgt cgagacttcc gaagctggtg 180

aagcttcaga cgattcctct tcatctgaag aagacgtacc aatcaaaatt cgaatcaaat 240

ccccttccgc cacaaccgcc gccgctcctc cagctaaatc caccgccgtc tccaccgccg 300

ctgattcaga ttctggatcc gagactgaaa cagattcgga ttctgaatca acaaatccac 360

cgaattctgg atctgggaag acaatcgctt taaacacagt gaatctaaag aagaaagagg 420

atncaacgtc gtcgtcagct actttagctt taccggcgat gaaatcagga acaaaacggc 480

cagcgagtga agctgctgct acgacttcaa cgaaacgaag tgaagaaag 529

<210> 13157
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-041-Q1-E1-B8

<400> 13157

taaaaattca ataattgaac ctcctctctc tctctctctt ctctcccttc ttcttctccg 60

atttcgactt tgaatcattt cttcgagaga ggtagcgaga aagggatcgc cttttctcac 120

tctctgcgga ttctcaattt tgggcaagaa ggcaagaaca gtttttatcg caattgagtc 180

ttgaagacca caaggatttg atcacattgg tgcttctgcc tgtttatctg agtttgagga 240

caagaacttc tggggcgttt ataatttgcc atgtaatgag aatctaccac ccaatgttat 300

caagcagctt gccaaggagc tgaagagtct tgacgaatcc cctccagatg gcatcaaggt 360

tgtggtaaat gacgaggatt tctcacaaat atgtgctgat attgaaggac agttggtact 420

ccttatgaga acggactt 438

<210> 13158
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-B9

<400> 13158

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gtccgcgcaa acacaagaac gtgtatatat acacaatata tatacgtttc cgtgtatcta 120

tcatacacac gatgtctatc aatccgtatg tgacaatctt cctcctcctc gccgctacct 180

caagnnaagc gttgagtatt tctctagctg acccctgcac ggtgtcggat tttcctgcat 240

tgtgcagaag taccattaag ggtcaaacta atgtgaatgc agcgacggat gtggccataa 300

aagagttgat gaagcggacg aggcaagcca agaaaatcgc ggagaaagag ctgaaacgcg 360

atggaggagt cgcgacttgt ttgtccaact tcaatagcgc gtttgataat ttggaaaagg 420

ctcttacaaa cattaaggaa aatgatggtt ttaacccttа acattaacct tagcgccgcc 480

cttgacggat tacgaatact ttgcaacnga ctcga 515

<210> 13159
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-C1

<400> 13159

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ttncgcgtaa acactacgcg ccgccgtaag cttgactatc tagttcaagt cttccgtcat 120

gtctacgact tcctccgtgc gtgttcgact agctttcgtt gcgttactct cagcgacgac 180

tttnnactgt atccataaat atcgtcgctt gaaacatctg aaaaacctct cgttaaaccc 240

tagctctaca ttgaaagcca gcagaggaaa gatcttcttc atctcccaaa ctggtacagc 300

taaagcctta gctcaacggc ttcacgagct atgcgcatct aacgacatag catttgatat 360

cgtcgattca catanctacg aacctgaaga tctacctaaa gaaaccctac ttttattcat 420

cgcgtcgact tggggatggc gggaagccgc ctaagaacgg agagtttcnt gtgaactggg 480

cttgggtnag agccgctgaa agatttccga gtcggg 516

<210> 13160
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-C10

<400> 13160

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ctttgggctc agcgttctga taaagtttac ctaactgtcg ccttacctga tgcgaaggac 180

atttcggtga agtgtgagcc tcagggtcta ttcagtttct ctgctcttgg tgcccaaggc 240

gaacgctttg aattcagctt ggagttatat gggaagatta tgacagaata tcggaagaat 300

gtagggacta angaacatca tattttcaat tcanganaga agagagaagc tggtggacac 360

gactgctgaa atcggaagag aaacctggca ncttacatca aantcnactg gaataaatgg 420

gtgtgatgaa ggatgangag gtcaa 445

<210> 13161
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-C11

<400> 13161

gntngnngaa ctggtccact ccggactgnt cgtccggttn tcanaggtcg acccaggcgt 60

ccgtgaaaca acaacctccg tttgaggttt tgccgggaaa atataaagtt cacaggcttt 120

ggtctctgca tttgcaatat atttaaaatg gcagcagctt tcttgaatct tggcggctat 180

gttttcgttt tcttctcttc gttcttagct atagtggccc cacaggttcg aggcaatgtt 240

gctgtctttg atagctactg gacgcaacga caaagtgatg cattgaaaca aaccatcggc 300

tcttacgatt ctcatccact taacgtcacc aaccatttta attaccatgt caatatagca 360

gtggatgcat cggaatcaag gaacgataca aggagagagc ttactcaggt gagaagtggt 420

cgtaaaacgc acaaaancag cggaaaatgc ctaacttata acccgataga caactgctgg 480

gcgaatgcna tngtaactgg gctaataa 508

<210> 13162
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-041-Q1-E1-C2

<400> 13162

ttttttcatt tcttcctcca gagagagaga gagaagccac aacaagaaga agaagaagaa 60

gaagaagaag aagaagttct ggaatagtca tcatcttctc tgtttctagg ctttgtttat 120

ttgtctctaa agtttctgga ttcaacttct gaagaagata gtagtagtcc acaagaagga 180

tcttctttac cagaaagttg atttggtcag agccaaggaa gatgggttac atgtgtgact 240

tctgtggtga acaaagatct atggtgtact gtcgatccga tgcagcttgt ttgtgtctct 300

cctgtgaccg gagtgttcat tccgctaatg cattgtccaa acgacattct cggacacttg 360

tctgcgagag atgcaatgct cagcctgcta ctgtcaggtg tgttgaagaa agggtttcac 420

tccgtcaaaa ctgtgactgg tccgggccac a 451

<210> 13163
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-C3

<400> 13163

aacgtgaaca gagtctagag atggctaatt cctcctcctt ctccccctct accaccgtaa 60

cagatttaat ctccaccgtc catgacgaca tcatagagtc tcacatcttg acacgtctcg 120

acggcgcaac cttagcatcc gtctcttgcg cctcctcaca tcttcatcat ctcgcttcca 180

atgagatcct ctggtccaaa atctgccgat ccacgtggcc ttcttgctcc ggtggttctc 240

gttctttctt ctccgacgct tattctatgg tggaaaccgc cggtacagtc tctgatctcg 300

accgtccgtt tccggaattg atctccgccg tggatcttca ctacagaggg aagttgattt 360

ttagtagagt cgtgaagacg gagactacga cggcgtggtt taaagagttc gccgttgang 420

attgatctgg tggatacaaa aggata 446

<210> 13164
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-041-Q1-E1-B1

<400> 13164

tgncaantna tnatccgncn angacccacg ggcccgctna aactccagaa aatgagtttc 60

ttcaatttct cgtctttctc gtccaattcg aacaggagac tcgctaacca acgtcgattc 120

aacttgccca tctccaaatt ccactactat cgcgtttcnn ttcggngagt ctcggctcgg 180

ttcggagaga cctcgaggcg acgtaattcg ctgaggaaga agatcatcgg tgatgagtat 240

tggcgttcga ctccgaaatc ttctgaacca ggtacgaaac ctctaaacga aagccataag 300

tttggtcact gtgatgattt aagtagcacc ganggatttg caanataggg gttgctcaac 360

gnttcacant tttgctgaan tgagctttga atgaattggg gtntgctccn gttagtnana 420

a 421

<210> 13165
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-G8

<400> 13165

gcttcgatcg tagaaacctt gaaaatccga gacatccaca atgccgccaa agttggatcc 60

gagtcagatc gttgacgtgt acgtccgagt aaccgggggа gaagtcggag cagcgagttc 120

tctagctccc aaaatcggtc cgctaggtct cgcaccaaag aagatcggag aagatatcgc 180

gaaagaaacc gcaaaggaat ggaaaggatt acgtgtaacc gtcaagctca cagtgcagaa 240

tcgtcaggcg aaagtgacgg tggttccatc agcagcagca ctcgtcatca aggcgttgaa 300

agagccggag agagatagga agaaggtgaa gaacattaag cataacggga acatctcgtt 360

tgatgatgtg actgagattg ctangatcat gagacctana tctaattgct aagggaattg 420

aattggaaca gtgagggaaa atcctgggaa cttgtgt 457

<210> 13166
<211> 160
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-040-Q1-E1-G9

<400> 13166

gtttgacgat ngtgacccac naactacgaa tctgtntgtt gggaatctgt ccccaaaggt 60

tgatgangaa tttccttctg cgcactttcg gaagatttgg gcccatagct agtgtcagga 120

ttatgtggcc agagaacaga tgatganaag angcnacaaa 160

<210> 13167
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-H1

<400> 13167

atctaatctt aatgctcttc agtctggttg ttgtaagccg tccaatgact gtaacttcac 60

ctatgtgaac ccgactactt ggacaaagac tcctggtcca tacaaaaacg aggactgtaa 120

tgtgtgggac aacaaaccag gaactctctg ctacgactgt gaagcctgca aggctggtct 180

gcttgacaac atcaagaact catggaaaaa ggtggctaag gtcaacattg tcttcctcat 240

attcctcatt atcgtctact ctgttggttg ttgtgcgttc aggaacaaca ggaaacgcag 300

ttggtaatag attctaatgc gttgaaacca agactaaggc caagagaaga tatctgaagt 360

gtcatcatct tactgtcaaa gtaagttaaa gcancattta agacaactcg ttgatcgcct 420

tgtccttgtg tgtggggatt gcaatttcaa tgt 453

<210> 13168
<211> 75
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-H10

<400> 13168

tcntccgcnt ctgtcgtcct ccgcaactcg tgccatctcc ctcaccgtcc gtgccgcttc 60

ctcctacgcc gatna 75

<210> 13169

<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-H2

<400> 13169

gatcttatcc ttatcttctt ccttgttcta tttctcttct aactaatctc ttctcttctc 60

ttaaaatcaa acgtaatcat aaataaagat cttcttgttn aatttctctt gatcctcgca 120

aaatcacaga ttcttgaaat tctttttttct tgtcttgaaa ttcttgagtt cttgagttat 180

gaaaagacaa tggacagagt tatgaaatga taaatctcaa ccaattcctt gtttatcatt 240

ctatatcagt tgtgattctt cattggtttt acgttatctc ttgaacaaaa aaacatggca 300

aacgcagaga agacaagttc aggttccgac atagatgaga agaaaagaaa acgcaagttn 360

tcaaaccgcg aatcctgcaa ngangtccgt ttgaagaaac agaagtttaa tgggangaca 420

cgantcatga gattc 435

<210> 13170
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-H3

<400> 13170

tcagctttgt ctgaagctgg tgttatctat gttatgaccc atgattccat tggtcttgga 60

gaagatggac caacccatca gcccattgag cacattgcaa gtttccgtgc tatgcccaac 120

actcttatgt tccgtcctgc tgatggaaat gaaacagccg gtgcatacaa gatcgctgtc 180

accaagcgca agacaccatc tatcttagct ctgtctaggc aaaagctgcc tcatcttcca 240

ggtacatcca tcgaaggagt ggaaaagggt ggatatacaa tttctgacga ctcttcaggc 300

aacaaacccg atgtgatctt gattggaact ggttctgagc tagagattgc tgcacaagct 360

gcggangtgc tcaaggaaag acggcaaaaa ccgttaagag ttggttcctt ccgttgtgct 420

ggggaactaa tttgacgagc aatcaagatg aat 453

<210> 13171

<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-H4

<400> 13171

gaaaaaaaac aaaaaaataa taaaacaaaa aaatatcttt ttttttttcta ataaaaaaaa 60

aataataaat aaatatgaga tacacaaatg tgtccatttt attaggcatg ttggtgatct 120

ttgtttcacc aatggtgttc gcagatgatt tgacaccaat cccagagggc aaaccccaag 180

tggtgcagtg gttcaatacc cacgttggtc cattggctca acgtaaaggc ttagatcctg 240

ctctcgtagc tgctgaggct gctccacgta tcatcaacgt gaatccaaag ggaggtgaat 300

tcaaaacact aacagacgca ataaagagcg ttcccgcagg gaacacaaaa gcgggtgatc 360

ataaagatgg ctcatggtga gtacagacag aaagncacta tccacangaa caaaaccttc 420

aattacattt gangg 435

<210> 13172
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-H5

<400> 13172

cgtgcataga ttaggaatct cgaaacccta attctgtttt ctacacgaaa cccatcaaaa 60

tcgaattttg atcgtttcta atttctgcca tttgattctc ttcatcagtc acatttaggg 120

gaaacgagaa gccctaatct ttgattcttt aatcgccatg gctaatagct ctttcaagtt 180

ggaacaccca ctagagagga gacaaattga atcttctcgc atcagggaga agtatccaga 240

cagaattcca gtgatcgtag agagagctga aagaagtgat gttcccaata tcgacaagaa 300

gaagtacctt gttccagctg atctaactgt tgggcaattt gtgtatgttg tccgtaaaag 360

aatcaagctg agtgccgaaa agggctatct tccgtccttg tgaagaacac attgcctcca 420

actgctgcaa atgatgtccn gcatccaaag a 451

<210> 13173

<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-A10

<400> 13173

acagaagatg tattcgatgt tttcatggaa aattgtggga agtttgaccg tgatgatata 60

tatggtttaa tatctcttta cgaagcatca tatctttcga caaaattgga taaaaacctg 120

caaatattca tcagaccttt tgctacacaa caactcagag actttgttga tactcatagt 180

aatgaagatt ttgggtcgtg tgacatggtg gaaattgtgg tccaagcgtt ggatatgccc 240

tactattggc aaatgagaag gctatccacc agatggtaca tagatgtgta tggaaaaaga 300

caaaattata agaaccttgt cgtcgttgaa tttgccaaga ttgatttcaa catcgtacaa 360

gctattcatc aagangaact caaaaacgtt tccaactggt ggatggagac aggtttaagg 420

taagcaactc tactttgcaa g 441

<210> 13174
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-A12

<400> 13174

aatttggctt taatctaata aagcctctcc ctctccgatt aaccttaata aatccggagg 60

gatcggagag aaaaaagaac caanaaaaaa aaaaaaacag aaaaaaaann atgattggaa 120

aagttgtggt ctcggtggcc tccatcctct taatagtcgg agttgccata ggagtcgttg 180

ccttcataaa caaaaatggc gatgctaatc tgtctcccca aatgaaagcg gttcaaggaa 240

tttgccagtc gacatccgac aaagcctcat gtgtcaaaac tctcgagccg gtcaaagaac 300

gaggacccaa acaagctgat naaggntttc atgctcgcta caaaagacga attaaccaaa 360

tcgtcnaact tcacgggtca aacngaanta acatggggtc gagcatccgc caaacaacaa 420

aagccgttct tgatt 435

<210> 13175

<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-A2

<400> 13175

ttgtntagct gagtttctta ttgcttatct atatattatg tatcaaatct ccttgtttga 60

tctatgatca tctttctagg gttttgctcg atttcccgga ttcgggtggg aaatcatcat 120

ctgatcgatt atcgcggctg gacatggagg ggaaaaaaac aacatctgat caactctcat 180

tgatccaatc atcaactctc gttgatcata gccacttatc atcaactctc gttgatcata 240

accacttatc atcaacgctt gttgatccaa ccatcaacgc tcgttgattc aaccatcaac 300

gctccgttga tcaaccatca aagctcgttg attcaaacat caacgctcgt tgattcaacc 360

atcaacgctc gttgattcaa ccatcaacgc tcgttgattc aaccatcaac gctcgttgat 420

caaccatcaa cgctcgttga tcaac 445

<210> 13176
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-A3

<400> 13176

tgcctggtct ctactggntc tagaaagtcc ggacacgacc cacgngtccg ccccatccca 60

tgatgatgtg aacaatctca ctctctttct ctatctctct ttcgagtttc tttggagtat 120

tatataacaa atcagtccaa gacacctctt ttctcacacc aatctcgctc tcaccacana 180

acagagaatc tcagatcgaa gaagcaaaga aagagagaat gggtttcact tcccgaggaa 240

acccttcttt tctcttcttc ttcttcttct tcctctgtct ctccacagtc tctgcttaca 300

tcaacagcac aagcagcaat aatgatgaag taagaagaga gctagcttct gggagatgta 360

attggtttag agggaattgg gtttaatgat gtaaagtacc cactttatga ttcttataaa 420

atggtccatt cataagattc acaagtttaa ctggtaagaa gtatggtccg tcctgacaat 480

gcntaacctt aagttacgaa tgggcaacca tcc 513

<210> 13177
<211> 530
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-A4

<400> 13177

gngnnnnnng gggnnnggaa ctggtccgcc tggntctacc ggccccggac atcccggaat 60

cgacccacgc gtccgcgtca ttgggagggg acgacgacgg atctgtcttt ctgtctactg 120

aaaatccaaa tttcatcctc tccatttatt taacttttc agatttagtt ttgtcaagaa 180

aacacaaaat gtcttttctt gcgccttgtc aaattttgga gctgaatatt atttcggccc 240

aagaattggc gcccgtggca cggtgtatga agacatatgc aatcgcttgg attgatccag 300

agcgtaaatt gacgactcgg gtcgacaata cgggcggaac aagccctaca tggaacgaca 360

agtttgtgtt tcgtctagat gaggaagcac tctacgatgc cacatcaata gttgttatag 420

agatctatgc attgcattgg ttcaaagaca ttcatgttgg aacggtacaa gccttaataa 480

gtgaccttgt aagcccttct tcggctatga gattcgttac cctagangtt 530

<210> 13178
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-041-Q1-E1-A6

<400> 13178

ttgttgttgt tatgtttctt gtcttacaag aaatgtgagt tttgtttcaa caaaacccta 60

ggttccaatc tctgcctact atccagataa cctctcttta tcagcatgga tgtgtttatt 120

cggaacaata caatgtgcag tcgtcacttt cttccttgag aaagacccaa acgcttggat 180

tctccattcc tactccgagt ttgccacatg tctctatgca ggaattgggg cgtcagcact 240

ttcttttacg gtccaagctt gggctattgc aaagagaggt cctgtgtttt ctgcactgtt 300

taatcctctt tgtacagtca ttgtcacaat cttggctgct ttgttcttcc atgaagagat 360

ttacactgga agtttaatcg gaggattggg cgtgatattg ggactttaca ctgtgctctg 420

gggtaaagca aaagatgtca tgg 443

<210> 13179
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-041-Q1-E1-A9

<400> 13179

gcccacgcgt ccgcacagcc ccgggggcgt actggtcgtg gttagagtcc ggagaatcaa 60

ctccaggact cccggagacc ttgcatctat acgaaaacct cttggaactc gggattgaac 120

ccatcataat ctctgacaga tggaaaaaat tgtcagaagt cactgtcgag aatctcaagg 180

ctgttggtgt aacaaaatgg aagcatctca tactcaagcc aaacggatcg aagttgacgc 240

aagtggtgta caagtcaaag gttaggaata gccttgtgaa gaaagggtac aacatcgttg 300

ggaatattgg agaccaatgg gctgatttgg ttgaggatac tcctggaagg gtttttaagc 360

tcccaaatcc actctactac gtacttctta attaagcatc tatcttcatg gcattgtccc 420

ttgtatccat t 431

<210> 13180
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-G6

<400> 13180

aatgaggctg aaaagtgttt aatagaaaca tctataaatt cactccggat aagcctcaag 60

gtcaagcaag cggatgaact tgaaaacata ctaaccaaaa aatttctcag attcttgtcc 120

atgagggcag aagcttttca agtactgagg aggaagccag tgcagggcta tgacataagc 180

tttcttataa caaactacca ctgcgaagag atgcagaaac agaagctaat tgatttcatt 240

attcagttta tggaggatat agagaaagaa ataagggact tgaaggagtc agtgaataca 300

agaggaagac tcgttgctac ggagttcttg aaacagttca tgtaaagcag ctcttgaagt 360

agtataatgt aacccttcat tgtatcaatc actcgttaat tggtaaaatc catctactcc 420

tcattttgct acttccccng ttaat 445

<210> 13181
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-D9

<400> 13181

agggttttcc tcggaaccta aaagagttat attttgctgg cactacgtta agagaagtgc 60

cccaacttcc tttaagccta gaggtcttga atgcacatgg ttctganncg gagaagcttc 120

ctatgcatta caagttcaac aatttttttcg atctatctca acaagtggtc aacgattttt 180

tattgaaaac gctgacttat gtaaaacaca taccaagagg gtatacgcag gaactcatca 240

acaaagctcc gactttcatc ttcagtgcgc cctcacatac aaatcaaaac gccacatttg 300

atctgcaatc aggatcttct gtaatgacac gactaaatca ttcatggagg aacacgcttg 360

tgggatttgg tatgctggtg ggaagttgca attcccgaag gactactgtg atgctacaga 420

tgttggnata aattgtgttt 440

<210> 13182
<211> 292
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-E10

<400> 13182

cagccgtagc nactcggagg ttgaaaaaat cnacgaggcg tgnatggtgg aacacgggaa 60

taagaagatg aatcaanacg gtcttggngc agagaaagat caatcgattc gagatcttta 120

antgataatc ttcgnttcat cgatgaacat aacaccntca acctcaatta taaacttggt 180

ttancccggt ttgctgattt aaccaatgat gagtaccgat ctatgtacct tggtgctnaa 240

tcgaccanga gggttntgaa aancagtgat cggtaacaag cncgtgttgg tg 292

<210> 13183
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-E11

<400> 13183

gcttctcatc tcctanacaa angaaactca nganatgaga agaaaatttt ggnggntgtt 60

tataaactat aatataatac acatcaaatc tttgacanga taccaacttg aagaanaaga 120

agaagctgca ttgatcttcc caaaagatcc tccatggntc aaggcatgga tggttcctgt 180

gatgatgctt ttcgttttct ttgtattttc nattgtagga atttgtcaan gttgtcncaa 240

ttgtcnccgt ggtgaaaatt ctcccagcat tcatcctatt anctaattat ttaatttaga 300

ttttttttt ccttttgtt ttctttctag aatatgtaaa tcattgttgg tgaaatgtna 360

aagtttacag tttcaccata tccgatttcc tatcgctttg atcaatgaaa gcaggatnga 420

atantna 427

<210> 13184
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-E12

<400> 13184

ttacgcnccc cgtaccggaa ntaaatccng ngncnaccac gcgtnananc acgcgtccng 60

gtttnaaatt caaagntcct tttttttaa ccctggcatc aaatacaacc atggcaagga 120

tttctctgtt gttctcttta gccttagttc tagccancgg gtccgtcttg gctcacccac 180

ctacccacaa gaaattacaa aagaccttgt gtccatctac tttgtccaaa gttcaagctt 240

tcccttacct tgaagtctct agcttcgtcg agaagaaggt cagttcgcac caaaaaccat 300

tgcgttcaag tcctttggtc ctccatctgc aagagctaca tcgaactttc cttgggggggg 360

cgttaagttt tcctgctcca naagaatgtt gtttcaagtc cgttcatgtc naaattcact 420

ttgatnaacc aaagggnaat gggtaattgc acaagccacn aaattggngt tttaanggaa 480

acctcccccn gntnaatttg ggcnaaaaac 510

<210> 13185
<211> 420
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-039-Q1-E1-E5

<400> 13185

ctttaagtat gcaggattgg acaccgagaa tcttcagaac tttgagtgtt gtctctttgt 60

acttttcccg tatttttcat acatgcttgc agaaggtgtt ggtctctccg gcattgtttc 120

tatactcttc acaggaattg taatcgccga gtcattgtag cttttacatc ttagttgatg 180

ttaatatctt ggaaagacat atttaggctg cctaatatag tgctactgta ggttatgaag 240

cgctacactt tctcaaatct ctcagaagct tcacagagtt tcgtatcttc ttttttcac 300

ttgatatctt cgctagcaga aactttcacg ttcatttaca tgggatttga tattgccatg 360

gagcagcata gctggtccca tgttgggtta tccttttctc tattgtatcc tcatttactg 420

<210> 13186
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-E6

<400> 13186

ggcttcgata gggttttagt aattttccga tggcttcaag ctcananaan acacctctta 60

ttccttcaga tgagaaaaac gataccaagg aagagagtaa gagtactact aaaccagaat 120

cangctcagg agctccacct tcaccttcac cgactgatcc tgggcttgat ttcaatgctt 180

ttgntttctc cggcatggct ggnatcctca atgatccaag tatcaaggaa ttggntgagc 240

aantagctaa ngatccttca tttaaccagt tagctgagca gcttcagaga tctgtgccaa 300

accggatctc atganggang tctacctaan tttgattcac aacaagtata tgcagacaat 360

gcagcatgtt atggagaatc ctgagtttag aacaatggct gagcgtcttg gnaacgcttt 420

gntgcangat tcac 434

<210> 13187
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-039-Q1-E1-E8

<400> 13187

gcgtcaatgt ctgagaacgc agccaacaac atcatggaga ccaanatttg tncagacgcc 60

atcgtgtctg aattacagaa gaagaaagtt catctctttt actgcttana gtgcgaagaa 120

cttgctcgca acatcgccgc tgaatctgat cacatcactc tccaatccat caactggagg 180

agttttgctg atggattccc naatctattt atcaacaacg cacatgatat ccgaggccag 240

cacgttgcgt tccttgcttc attcagttcc cctgctgtca tctttgagca natctctgtc 300

atttacttgc tccctcgatt gtttgttgcg tccttcactt tggtgttgcc tttcttcccc 360

actggctcct ttgagagaat ggnagaggaa ngagatgtac aactgctttt ancatggcaa 420

ggattgt 427

<210> 13188
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-E9

<400> 13188

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ggaaaaccta aacttctgct tcttcgacca acaaacctcc ctcttctccg tctctcactc 120

ccgctttctc ttcccaattt ctcttcgtcc tctcgtttta attcgcccat attcgctgca 180

caggagagta acttgagtgt atccaacgaa aacgaaacca gtgagtggct gatgcaagat 240

ttttatacat tgagaaaaga tgtagaaata gcatcagctc gtgttgaaga gattagagct 300

tctgctaatt tacaacaact aagaacaaga gattacaaat ctggaatcaa aagctactga 360

tacatcgttt tgggatgatn gtactaaaag ctcaagaaac tttatcgtcc ttaaatgatc 420

ntaaaagatn gtatgccgg 439

<210> 13189
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-039-Q1-E1-F1

<400> 13189

ngatctctgc ttgaagatta tggacggcgc cgatggaacc gttcgcgtca agcctggtcg 60

cggattcgaa acggagacgg atgttgcggt ttcgtcgcca gtgacacgtc agaaagctgc 120

tgcagctaag caattcatcg agaatcatta taagaattac ttgcaaggct tgcacgaacg 180

aatggagaga ccanggagtt tcaaaagaaa gtgcaaagaa gcccaattac ctgttganga 240

acaagaccaa gatgatgaag aatccggntc ctcctgaaac tgaatnaann aaanttnnaa 300

gancttaaat tgggaatgna gaatttgaac ctttgnncgt taatggcaaa ngngncnttg 360

gtgaaggtaa antaagtcct ttgggattac anccgaagtt taagccaagn agaaatttga 420

aaaaacngg 429

<210> 13190
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-F3

<400> 13190

gcaaaanggc cgtagtttta cgtggaggca tcaccggagg atttcttcac catcgtcgtg 60

acgcttcatc cgtcatcaca agaagaatct catccgtcaa agccgcagga ggaggcatca 120

acccaacggt ggctgttgaa cgtgccacgt ggctacctgg actaaaccct cctccttatc 180

ttgatggaaa tttagctgga gattacgggt ttgacccact cgggttagga gaggatccgg 240

aaagcttgaa gtggtatgtt caagcagagc ttgttcactc tcgtttcgct atgctcggtg 300

ttgcaggaat actcttcact gatctccttc ggaccacagg gattcgtaat ttaccggttt 360

ggtatgaanc tggagctgtg aaatttgatt ttgctagtac aaaaactctc atagttgtca 420

gtttcnactt atggggtttg ctgagactaa aaggtatatn g 461

<210> 13191
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-039-Q1-E1-F5

<400> 13191

gataaaaaat gcctcgagtc atccctccgg agaatctcgg ttgcccacca ttccgtgctt 60

taacttttga ctctctcggc ttaataaaag tgactgaagc tcgtggtcaa gagagaggga 120

ttccgactgt agtgaacaca tggggagaga tgaatgcatc tagaagtgtt cttgctgctt 180

ccattgatga ccggttaagg aatccgcttt tggctgttgc aagaaaagat ggcaatgttg 240

aggttattaa cccttgtaat ggtgatcttc acttctcata ctctgtattt ggtgatgatg 300

gttgttcccc tgaggataac gaaatttctg ccctgcactt attcaggaaa aagatagatg 360

atcagacaga aagatcttgc acattgctta catgtacgaa aaagggagat gtgagtctca 420

gatcagttaa atttccagat g 441

<210> 13192
<211> 51
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-F8

<400> 13192

tgttgaggtg aacggtaacg acaaaaccga nntcgggatg gtggtgatta g 51

<210> 13193
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-G1

<400> 13193

antggttgcc tggccctacc ggttnggaaa tcccgggggа gacctntgat ctgtgcaatc 60

aagggagatc cagaagatgc ctttaagaag actgtcgaaa tcgatcggat gattgatgct 120

cttagagatg caaaccctag acaagttgag aagattgttg ttgaaaatat ccttgctttt 180

gatgaggttt tttggataag actagcagct aggtcggata cttgtaaatc agaagatgac 240

aagaaggact atgaggagtt agctacaact gtgatgacta tagttgactg tgttgtgaat 300

aagactcggg aaaagataga gacgtctact gatattctga aagggatttt aagacctgct 360

atagatggag tggaaagaga tttcatggcc gccaagagat cctgaagcca tcaatctaat 420

gaaaaaggaa attatacaac gggaaaaaga agggcaatta gatgaaggat ttctttcaga 480

agttaatgct cagctccggc aagcaaaaga agat 514

<210> 13194
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-G3

<400> 13194

gctctntgcg tgatcttacc ggctgcttaa ttcgtcttcg cctgattcgt tggtttcaaa 60

attcgtctct ctctttcaat cggaggttaa ttgtttttct gtttgggggt caaagcgaag 120

atggtgaacg ctatggtgga gagagcgacg agcgagatgc tgatcgggcc tgattgggct 180

atgaacctcg agatctgtga tatgctcaat agcgatccag cgcaagcaaa agatgttgtg 240

aaaggcatta aaaaacggat tggtagcagg aatccaaaag ctcagcttct tgccttaact 300

ctgcttgaga caatagtgaa gaactgtggt gacatggttc atatgcatgt ggctgagaaa 360

ggtgttattc atgagatggt ccggatagtt aagaagaagc cggacttcca tgtcaaagag 420

aagattctgg tccttatcga tacatggcaa gangcctttg g 461

<210> 13195
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-G4

<400> 13195

anaaagcata acccccccaga gaaagagaga gagtttctcc caacaagatc aaacttcgaa 60

ctctacgaga actactatta tccanaacgc gaaatagaga gacagagatt tcataaattt 120

cttacttttt aaccccaaag ttcttttcca gacagcgttt tcctctgtcc tttgctcttt 180

gtgggtttac tccttcttcc ggtttggata tcccgagcta gtaaagaagg gatccagtag 240

cagaagctga agctaataaa cccaatcata gagaaagctc tctgaacaaa agacattttc 300

tgggtttgtt ttaattaaaa agaaatggcc gattcgacca aagtaagggc tagttcgttg 360

cccaaaaatg cgagaatccc cttatcagag ctgaagatcc tccctttcc agttgcggtg 420

ggctggcttc accgttcctt cgtgcaaa 448

<210> 13196
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-D7

<400> 13196

cgtgggaaaa atcatccgga gctgttccct ttgggnacaa tgtttgctct gatcttcctc 60

tgggtttgga atctcggtcc ctcttgtctt tgtcggcgct tacctcggat tcaagaagcc 120

ancgctcgat gaccccgtga aaaccaacaa aatcccacgt caaatcccgg agcaagcttg 180

gtacatgaac ccaattttct caatcctcat tgggaggaat cttaccgttc ggtgcagtct 240

tcatcgagct cttcttcatc ctcacatcca tctggctcaa ccaagttcta ctacatcttc 300

ggnttcctct tcctccgtcc tttggggatt ccttaagggt cacctggcgc ccgagattaa 360

caattggttc cccngctaan ttcnaccttt tgcanttgaa naactaacct ccngggtggg 420

ttggaaggnt cctaacctta ancttcaagg ctccttccng cgggtctaac ccctt 475

<210> 13197
<211> 525
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-B4

<400> 13197

gngnggggnn nnnnnnngga nggttgcctg gcctaccggt ttggaanccc gggtcgaccc 60

aancgtccgc ccaagcgtcc gcccacgcgt ccgcttgttg aggcaccttt gataccaact 120

gataaaaagt atcagggaac caacagtacc tttgttttca caaataaatc aggacaaccc 180

acaatatacc gtcccacagg cgcaaatcgg ttctacactt tatgctccaa ggaattccta 240

gctctgggcg gtggtggacg gtttgctctc tatctagaca gtgagctgct aagcggatcg 300

agcgcttact cagagacgta tgggaactct tgtctcgcag actctcagga ctttgatgtt 360

aaggaagtgg agctatgggg atttgtgtat ggctcaaagt atgatgagat tctagctcac 420

agcaaaacaa tggagcctgg tctttgcaga tggtcatgat cattataaag aaaacccaaa 480

tgaattcaac tgagattcgt ctttttgttg ttgttgttgt tgttg 525

<210> 13198
<211> 532
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-B6

<400> 13198

gnggggnnnn nnnnnngngn nngntttnnn nggccgaant ggttccaagg cntaccggtc 60

cggaattccc gggtcgaccc acgcgtccgc gttctcatgt tgttgcagaa gataagattg 120

gtgtcttgct tttgaattta ggtggtcctg aaactcttaa cgatgttcaa cctttcttgt 180

ataatctctt tgctgatccg gatattataa ggcttcctag accatttcag tttcttcaag 240

ggactatagc taagtttata tctgttgttc gtgctccgaa atctaaagaa gggtatgctg 300

ctattggtgg tggctctcct ttgcgtaaaa taactgatga gcaagcggat gctattaaga 360

tgtctttgca agcgaagaac attgctgcta atgtctatgt tggtatgcgg tattggtatc 420

cgttcactga ggaggctgtt cagcagataa agaaggacaa aattactaga cttgttgtac 480

tgccattgta tcctcagtat tctatctcta caacgggttc aagcatacgc gt 532

<210> 13199
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-C1

<400> 13199

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taagcaggcc aggttcctag tgtgccaact actgctacta ttccagggat gttctcaaac 120

atgtttccaa tggtccctgg tcagcaacta ggtgcgcttc ctgtactgcc agttcaggca 180

atgactcaac aggtacgatc tatcaatcta tcttattctt aggttcttca ccttttgtca 240

cgattccctt cctaaaatat gtagtcgcag gcaactaggc atgctcggcg agtctatgtt 300

ggtggccttc caccaactgc taatgaacag gtttgttact tttgttttgt ttaaggtttt 360

gtgacttttt gtttattatt gtctatttaa accacatttc aatatccatt gtatgcctac 420

tgagaatggg ttttcatgtc ctagtcggtg tcaacgttct ttagccaagt gatgtcggcc 480

attgggggaa acactgctgg gccaagtgat gcggt 515

<210> 13200
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-C10

<400> 13200

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gcaactgaca agactgtttc gtgtttgggg ctttcgaaga gagtanngag attcgcgggt 120

ttcgtcaatt cctgggtttt ctctagattg ctgtttcggt ggtgttttct tttgaggatt 180

taagggaaac atggaaccca acaaggatga taatgtttca ttagcaagca acagctcaaa 240

tttcaagcac ctccagttct acaagatgcc tcgtctctgc caggtttctc tgccattcca 300

cctgtggttc ctccttcttt tcccccacca atggctccaa tacctatgat gccacatcct 360

ccagttgccc gcccaactac ttttaggcaa ctgttcanaa aaaggggggа ttgaaaccaa 420

ntgacnccgg attcggga 438

<210> 13201
<211> 229
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-C11

<400> 13201

tattgacang cgtgtcatcn agaggttcga cnaattgagg ctgctgagat gaacangagg 60

tcgttcangt acnnatgggt gttggacaaa cttaaggccg agcgtgancg tggtattacc 120

atcgatattg ctctatggaa gttcgaggac caccaagtac tactgcacat tcattgatgc 180

cccangacat cgtgatttca tcancgaaca tgattactgg tanctccca 229

<210> 13202
<211> 262
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-C12

<400> 13202

gtcattgagg ctcaanattt gatacctcat gataaaacca agttccctga ggtttacatg 60

aaagcaatgc tcggaaacca gactctgaga acacgtattt ctcaggggg gnaacattga 120

atccgatgtg gaatgaanat ctgatgtttg ttgttgctga gccttttgag gaanctttga 180

ttcccccccgt gggaaataag gttncaccna attaagatna aaccttaagc cngtgtncaa 240

tcccgttncn aaacgttcaa ag 262

<210> 13203
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-C2

<400> 13203

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acaatcccag ggaattcttc aagattagct ggaaatccca actggggaac agcaactgtt 120

gttggagtat ttgcaggatt gctatatgga gggagcaaag aagcttctgc ttctgtgagc 180

aaagatgcag aagtgatgtt gaagatgggt agtacacagg ataagcgtga acaacacagg 240

ttgatgcgag atgcaatgga gaaaaggttc atccgagtaa ctcgtggctc cctcattgga 300

gggatgcgtc ttggnatgtt cactgcttcc ttctttagtc tacaaaactt tttagctgag 360

acccgaggag tgcatgatgt tttcaatgtg gttggagctg gttcagctac tgctgcagtt 420

tttggcctaa tcatgccggg gtctcctgct tggcgtng 458

<210> 13204
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-039-Q1-E1-C5

<400> 13204

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cttccctctc taacgtaaag caggtaggat gagcatttct gatgaagagg ctgagatcag 120

cgagtcagag attgaggact attctgaaac accctaccgc cttttacgcg acgggactta 180

caaggtgaag gtgaatggac agctcagatg cccgttttgt gcaggcaaga agaagcaaga 240

ttacaagtac aaggagttgt atgcacatgc tactggggtt tccaaaggtt ctgccaccag 300

aagtgcttta cagaaggcta atcatcttgc tttagctatg tttttagaag aatgagcttg 360

ctggttatgc agaacctgtt ccacgccctc cagttgttcc tcctcagtta gacgagactg 420

aaccaaaccc tcataaagt 439

<210> 13205
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-C6

<400> 13205

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aaactaaagt aaaatgagct tgacactaga gtttctgctt cttctgattg tacttatctt 120

gagtcaccat gctcattctg gctctattgt caaattcctt cctggttttg aaggcccccc 180

tccttttgaa ctcgaaaccg ggtacattgg tattggtgag gaagaggaag tgcaattatt 240

ctactatttc atcaaatctg agaagaatcc agaagaanac cctcttcttc tatggttaag 300

tggaggacct ggatgttcct ctcttactgg ccttcttttt gagaatggta tatctataat 360

atttcgctaa gcattactan aatancttgt ttaaagccgg gggaaataaa tangaccggt 420

ggctttgaan ttcgaggtt 439

<210> 13206

<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-039-Q1-E1-C7

<400> 13206

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tgagctcatc gccaatgccg cttacatagg aacaccaggg aaaggtattc tcgctgctga 120

tgaatccaca ggaacaatcg gaaaacgttt cgtaagcatt aacgttgaga acgttgaatc 180

aaacagacgt gctcttcgtg agctcttgtt caccactcct ggagctctcc aatacatcag 240

tggtatcatt ctcttcgaag aaacactcta ccagaaaact gcttcaggga aactatttgt 300

tgatgtaatg aaggaagctg gagtgcttcc aggtattaaa gtcgataaag gaaccgttga 360

gctcgctggt acaaatggtg aaaccacaac cactggtctc gacggacttg gtgaccgttg 420

caagaagtac ta 432

<210> 13207
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-039-Q1-E1-C8

<400> 13207

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taaaagccgt gacgaggtat ggtttagcaa tgttcctcat actcggcttg ttgaagacaa 120

aggaggtcag aactggattt cacgagacaa gaacaagttc aagtttcctg gaggtggtac 180

acagtttatt catggggctg atcagtactt ggaccagatg tctaagatgg tttctgatat 240

tacgtttggc aagcatatta gggttgctat ggatgttggt tgtggtgtgg cgagttttgg 300

tgcttatcta ttgtctcgtg atgtcatgac aatgtctgtt gcaccaaaag atgtccatga 360

gaaccaaatt caatttgctc ttgagcgtgg tgtgcctgct atggcggcag catttgcgac 420

aaggcgtttg ttatatccaa 440

<210> 13208
<211> 510
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-D1

<400> 13208

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tccttcccat cgaacccagc cattgcatgg gtcctttaca acatcctcca gccagctatt 120

aaccaggtca acaagatgcg tgagagtaaa ggtatcgttg ttggtctagg tattggtggt 180

ggtcttgcag cgtcagggct tttgactcca cctccggagg cttatgctgc ggcagaagcg 240

gcggctgcta gttcagacag cagaggacag ttgttgttga ttgttgtgac accggcacta 300

ctttgggttc tgtacaatat cttgcagcca gctttgaacc aaatcaacaa gatgaggtct 360

ggggattaaa atcctatata tatataatat tattataaat catctttggg attcaaatgt 420

aaaattaacc cttgttttaa gggcagtttt aggttacaaa anaaaannnn aaaaaaaaag 480

gggggccgcc ctaaaggntc aagcttactt 510

<210> 13209
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-D3

<400> 13209

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acgaaaactc gaaaaagcta cacacaagaa gaagaagaaa agatacgagc aagaagacta 120

aacacgaaag cgatttatca actcgaaagg aagagacttt gattttcaaa tttcgtcccc 180

tatagattgt gttgtttctg ggaaggagat ggcagtttat gatcagagtg gagatagaaa 240

cagaacacaa attgatacat cgaggaaaag gaaatctaga agtagaggtg acggtactac 300

tgtggctgag agattaaaga gatggaaaga gtataacgag accgtagaag aanttctacc 360

aagaagagga aantacctgc naaagggtcn aaaaagggtt gtatgaaagg taaaggagga 420

ccagagaata nccgatgtan tttcagagga gttaggcaaa ggatttgggg taaatgggtt 480

gctganatna gagagcctaa tcgaggtacc aggctttggg 520

<210> 13210
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-D4

<400> 13210

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agagcttcac acagattatg gtggtgctgc agtgagatgg gggcttacac atcataaaga 120

gagtgcagct gattgttgcc aggcttgctt agaccaggca aagcgtgcga aacctggaga 180

aacgagatgc aatatttggg tttattgccc atctgagttt ggttgtttct ctccagatat 240

ttatgagcat aaacatcagg agtgttggct taaatacgca gagaagccaa aacaagaatt 300

tcaaagacag atattctgag acatacagaa acaaccaccc aaaagcgcca tctatcgttc 360

catgggtttc aggtgttgta acggcttgag caaaacccat gtggacagat tgatgggaga 420

aatangagat agttttggnt tttttttcca gctgtgtt 458

<210> 13211
<211> 519
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-B2

<400> 13211

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ntccgctcna nccatctcta tctctnnatt tgggggagtt ccgtcacggt ggactaagta 120

cgtctcgttg ccgttggtgg cgtagtcgga attaatttcc tcggcgttga gattcacatg 180

gtctagngtt ctagctaagt ggttgttgtt gttgttacga tttccgattt ctcgagtttt 240

ttttttatat ttagcttctg tttcgtttat ccctcccgga gacactcctt ggtcgaatct 300

ctcatgctga ggtgttttgg ncacttgttg tcangaggaa accagttttg gttctgatta 360

atcgttggtt ggnaaatata ctcaattcca ggccatgcct tcacttcaac tattgcagtt 420

aactgagcgg ggtcggggtc ttgtngcgtc aagacggana tctatactgc ttgcggctgg 480

gattgtnctg cnggtggnac tgctgtttac ctgaaatct 519

<210> 13212
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-H5

<400> 13212

aaccataaac tgtgagtaaa aaagagaaga aagaaaaatg gtgctaaagg tgtacggacc 60

tcactttgct tcaccaaaga gagctttggt cacactgatc gagaagggcg ttgccttcga 120

gaccatcccc gtcgatctca tgaaaggaga acacaagcag cctgcttatc tcgctcctac 180

agccttttgg tactgttcct gctgttgttg acggtgacta caaaatcttc nagtcccgtg 240

cggtgatgaa gtactnaccn aaaagtncaa gtcacaanga cctgatcttt ggggaaaacc 300

gttnaanaca gaagtcaaan tnaacaatgg cttgatgtgg aaccaacaac tacaaccaac 360

cgctattgaa cttaacgctc aaaaatgttc catcnatcca tgggaattcc cannegaatg 420

a 421

<210> 13213
<211> 290
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-H6

<400> 13213

tcaaccgata tactgtttgg attagtcaag gtcctttcat gtgcctcatc cacaataacg 60

acactgtagc tggccaggtc tggctcacca agcagctcgc gcaaaagcat tccatcagtc 120

atatacttca gaactgtttt gtctgaagta caatcctcaa atcgaatgga atagccaacc 180

tcatgtccga gtttgacacc catctcttga gccacacngg cagcnacacn catagcngca 240

actcntcgng gcngcgtaca accanactnt ccacgcttng tgtaaccanc 290

<210> 13214
<211> 424
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-H7

<400> 13214

atcttcttca tcaattgatc tactctgctc tgctcaagat cagaaatcgt cggtttagtt 60

ctccggttaa aagtttcgtc tctgcgggaa ttggaacttc aatggaggga ttaaagctct 120

cagaagcgga attgatgatt tttattcatc cttcccagag cagaaacgtt tttcaaggaa 180

tttgtcgcga gctcagttct cttctattcc agttcgttct ttttcttcct cctatttact 240

tcttctttgg tttcaagttt tgatttttag gttgtgttct taaccttata ggagaatcga 300

attgancttt cttgatgcaa tgtttggttg ggganaattc ggtttttctt aaaanaaatt 360

ggggggganca aaccttggtg gtaaaggnaa aangnaaccc ttgaanggnn ttccaatggn 420

ntaa 424

<210> 13215
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-H8

<400> 13215

aaagaatgtt aagaaagatg gagatgaaga gtgaaagtgg gttttggttt agattcaagt 60

ttatctttag ttgtatctct tctagatcaa aagttgatag ttccatgaat gctactgctg 120

ttattgcaga acctaagaaa gttattgaga agcttgaagg tcatccagct ccgactaaag 180

acactggctg tgcggagagc ggttcctcaa cacctctaat gagcggggaa ttgaagtatt 240

cttctaagct acggattttc atgtttaacg accttaagtt anccactagg aatttcancc 300

aaantccttc ccggtaaggg ngttttggat gttttntaag gggggatagg ngaannggaa 360

gcgccctgna acccggnnag ggctaaagtg cgt 393

<210> 13216
<211> 52
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-A1

<400> 13216

aagaaccatc aattcattgt gtcctccaaa cgcgaanaga nttggagttt ta 52

<210> 13217
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-A11

<400> 13217

gngnntntgg cagcttnttt tgccggtcgg taccggacta aattcncggg ccgacccacg 60

cgtccgagaa agcaaagact gagagaacca aggctccgat ctaacaatga ggaagaggac 120

gctcgtgtcc gttttgttcc ttttctcgct tctgtttctt cttccagatc aaggggggaa 180

agttacacgc gaatgcagaa gagagttccg atgatgttac agatccacca aaagttgagg 240

agaaaattgg tggtcacggt ggtttatcga cggattccga tgtagttcat agagagtctg 300

agtcgatgtc aaagaagacg cttcgcagta acgcggagaa gtttgagttc caagctgagg 360

tttctcggct tatggacatt attatcaact ctctatacag taacaaggac attttcttaa 420

gagagttgat ctccaatgct tctgatgcct tgggacaaaa attangttcc ttgcactcac 480

tgacaaagac gttttgggtn aagggacac 509

<210> 13218
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-A12

<400> 13218

aaagcagctc tcaagagaag ttcatcagtt agaggaagcg ggatcgagac tcctttcagc 60

gaaagacctt ctccgaggtc tgaatcgatg agatcatatg cagtgggnga ggttcagtgc 120

aatgcaccag actctcctac tgagtttata agtagagata ctagaaaact tttggcagag 180

agattgaaga atgttttgag aaaagagatg actccttcac atgattctgt gaccaaatct 240

agtagccgtt tgcgacctac tgtgtcggat gcagcgaaac aagctgagga aatcaatcaa 300

gaagatgttt ctaagaaaga gtctttatca ccaagaaatc tcaaaagatc actatctgct 360

cctgtctcan ggacatcgtt tgggtaagct tttgttagag gaccggcatg ttttgacaag 420

cgcacangtn atgaggaanc 440

<210> 13219
<211> 527
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-A2

<400> 13219

gggggggnnn nnttnnggaa gtggtctcct ggncctacgg tttggatanc ccgggtcgnc 60

ccaancgtcc ggttcantct tcgaccacca cngtcaaatc cggcgaccca tcaaccttca 120

gatgactaaa ggtggacttg gaatagccgc gatgtcatac gtggtaatcg attacatgcg 180

ttacgtgtca ccggtgtggc attctcgtct tatgccagtt ctttggtctg ttcttgctat 240

cgccgtcgtc actcgtgttc tgttctataa acactggtct aaagagctac gagcagctat 300

tcctttcctt ggttctatcg tattccttct ctgtgctctt ctctttgaag ctctttgtgt 360

tcgctctgtt actgctgttc ttggcttaga ttggcaccgg gaaacacctc cacttcctga 420

tacaggccaa tggttcttac ttgcactaaa cgagagcctt cccgggacac ttgtggaaat 480

cctaagagca catatcattg gattgcatca ttttcttaag ttgttta 527

<210> 13220
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-A3

<400> 13220

ggnctccccg ggaattctaa anccaaaant gggaangggg aaannaaggg ggaccggcct 60

ccnggtgggg ttncccgggt ttttttgggt ttcccccttt ttttcctccn gcccctttccc 120

ggggtttttc ccnttcccnt ncccaaagaa ttcaaagggg ggaangaaaa aaggtttaca 180

acngccgaaa atggcaanaa aangaagaat tnccgaatng aatggttnac aagattcaac 240

aaaaagntng aaggagaaaa ttgggtnggc cacgggtggg ttaaccacgg ttcgatgtat 300

tcatagagat ctgatcatgt caagagacct ccataccggg aattgatcag ctgaggtccg 360

gtangcatat acactccata catacaggca tttctaaaag tgttcatgct ctgatgctgg 420

caaataggtc tgaccactgc aagactttgg tgaagtgcac tgctactgaa tcaaat 476

<210> 13221
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-A4

<400> 13221

cntccttaga tatttttctc cttcttcttc ttctagattc cagctactcc agaagattct 60

tcgacttaat ctgatgtgat taggaagagc aatagaggaa gagaagaatc agaaaaaatg 120

gatccggcga ctaattcacc gattatgccg attgatttac cgattatgca cgacagtgat 180

cgttacgact tcgttaaaga tattggctct ggtaatttcg gcgttgctcg tctcatgacc 240

gatagagtca ccaaggagct tgttgctgtt aaatacatcg agagaggaga aaagattgat 300

gaaaatgttc agagggagat tatcaatcat agatcattga gacatcctaa tattgttagg 360

tttaaagagg tgattttgac gccttcccat ttggctattg ttatggaata tgctgctggt 420

ggagaacttt atgagcggat ttgtaatgcc ggac 454

<210> 13222
<211> 277
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-A8

<400> 13222

ncnttccttt caatgggggt caacgccgct catngggnca caacaccaac aaccaccggt 60

ccatggcttc ctcaggcgtc ctcgtcncgg tcgcnccgtt cctcaagctc ntccctcttc 120

ttcagcctct gtttcttcaa gctcatcttt cacaagacta ctccaaattt ctctcctttg 180

caaancccca nntcaagatt tctcccggtc gtcaatctaa ccgattcgtc tcccccggca 240

ccantaacca acgtcngaac aggcanaagc caaacta 277

<210> 13223
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-A9

<400> 13223

gnnnntnnnn gnannntttn ttnggccgcc ggtacggaca aaatcgcggg tcgacccacg 60

cgtccgagac aaaacaattt tgagtctctc tattctctat tctctctcct ctccgcctct 120

ctttctctct ctctctatct ccgtcgtcgc aagagtgcat catctttaac gccggggacc 180

ttcccgctgc tctcttctac caattctctc ttagatcttc tcatgcgtct tcttcttata 240

tcttaatcct tcgtcgtaca agctcgccgg attgagtttt cgtcttccat ggctattcct 300

ctcgggaagc tcaccatcct catcggtgca ggtcttgttg ggtcagtact tgctaaagaa 360

gggagtttac cagatgtctc gagttttgtc tccggtgctc ttaagatggt atttaagcag 420

ctgaagcaag aagaacctgc caaatcagcc agcaagcccc gcaatgatac actaatnggc 480

caagttaaca atcctaagna tgaatt 506

<210> 13224
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-B1

<400> 13224

gcttnaactg tttgtcgtgc aagtaacaaa gatcaagatg atatcaagat tttctcttct 60

tctgttcttg ttcttgggtc atagttcctc tatcaaaatc ttcaatcttc aaaaccttca 120

tcaaatcctc tccttcctca gtcgtcttcc ctctctccgg caacgtcttc cctctcggat 180

actactcagt cttaatgcaa ataggaagcc ctccaaaggc atttcaattt gatattgata 240

ccggaagcga tctcacttgg gttcaatgtg atgctccttg cagtggttgc actttgcctc 300

ctaatcttca gtacaagcct aaaggaaaca ttatcccgtg ctcaaacccg atctgtacaa 360

gctcttcact ggcctaacaa gcctcattgc ccaaacccgc aagaacaatg tgactatgaa 420

gttaaatatg ctgatcaagg tcatcaatgg gtgcacttgt taccg 465

<210> 13225
<211> 523
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-B11

<400> 13225

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gtccgnacga atcggtgggg cccatcacga cgaggagaaa atgggtaaga actggttaac 120

atgtgtctcc gtggcttgtt tatctccagg gaaagacaaa aagaatcaaa aacccgngaa 180

accgaagagg aaatggtcgt ttgggaaaca aaagagtaga gaatcttttg atttccctct 240

ggaggagact ccaccggttg acccttcacc ttcttctgtt catcgtccat atccaccgcc 300

tccccccgttg ccggattttg ctcctcagcc gttgttacca ccaccgtctc aacctcctcc 360

ctcctccngg catatacatc aatacaagaa tctatggtga gtctaaagaa tccaaagaat 420

tagacaagcc tttagctcct tgcatccggc tggtttcaac ccnaaancag ctgttggtaa 480

cttgaaaatg ctngcccccg ganggttaaa acntnccaaa naa 523

<210> 13226
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-B12

<400> 13226

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atcttatcgg cggatactgc tgcatctgat ttgattaggg gtattggnac agagtgtggg 120

gttgatttcg atgaggattc ttcagctatg gttattgatc atactagctt ctccgtctct 180

gatgttgacg gcgaccacac cttgattgct gccgacgatt tagtgaaatc cgatgtcatt 240

ttgggaaaaa ccaagattga ggctcccgtg ctcttcagag gagttgcaca ttcgttgaac 300

cctactaaca atctggtttt gaaaagttct ttcaacctcc ccaacaactt aatctgccaa 360

accaagcctc naaattgtct aatccccccc anntcaacgg ggtcctcaaa tttccctaat 420

ncncggtcaa tcaanggcaa nnaa 444

<210> 13227
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-H4

<400> 13227

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ggtaacgcag tgtctctgat tttcacttgg ttaaagacct ctagcttcac ggtcaaacat 120

cataaacctt ttgccgccgt cactaatagg aattaactga tctcgtcaat ggcggaggtg 180

gaggagattg cgcacgagga gcagaatatc gagaagaggg agaagaagaa aggtaaacac 240

gagaagccga agccatggga tgatgaccca aacatcgacc gttggacaat cgagaagttt 300

gatccggcat ggaaccccac nggtatgact gaacccagca cnttcncaac actctttcct 360

caatacanga gaagatatct cntcngggag tttngngcct aatnttnanc tcncctcnat 420

aaagtantng ggtgncccca 440

<210> 13228
<211> 526
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-F10

<400> 13228

ggngttgtng aagtggtcct ttgggctccc cgggtccgga tgaanacggg tcgaccgacg 60

cgtccgctan atcntagatc gcgagcggcc gctcgcgatc tagacccacg cgtccgccca 120

cgcgtccgcc cacgcgtccg aaaaaataat ggcagctttg gcatcaaacc cccaaatgct 180

aactagacan gctcacggta acaagaagga acaattgtgg aggaaagaga gtttaaattt 240

ggagaagaag tgtgggtttt gtgtgagcgt ttacagtant gaaaagcttg ggaggtcaca 300

tatggagaaa gagtggagac tannagcctt ttggtcaaac atagctcagc ctacgacttt 360

ggagatggaa cccattaaca acgttganga actcgatgct gttctctctc acgcacgcca 420

actctctcag cctatcatcc tcgaatggga tggcttcttg gtgtcgaann tgtatttact 480

ngnagcctag gttggagana ttagggggna gagnannntn nncgtg 526

<210> 13229
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-F11

<400> 13229

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ctcttcctcc aatctccgac cgccgcttct ccacctcttc ctcctcagcc accaccanca 120

ccgtcgctgg ctgtaacgga atctccgctt gtgatctcga gaaactcaac gttctcggat 180

gcggaaacgg cgggattgtt tacaaagtcc gtcataaaac cacatcggag atctacgctt 240

tgaaaacagt taacggcgac atggatccga ttttcacaag acagttgatg cgagagatgg 300

agattctccg ccgtacagat tcaccgtacg tcgttaagtg tcacggaatc ttcgagaaac 360

ctgtcgtcgg tgaagtatcg attctantgg agtatatgga cggcggaacc ctagaatnac 420

tacgcnggcg gtgtancgga gcaaaaatcg ccggg 455

<210> 13230
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-037-Q1-E1-F3

<400> 13230

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cctgtctctc tccctctcga actacaaatc aaattcgagt gttttcatat tgttaatctt 120

tttcttcaag gaaagaagag attttgtttt ccgtttctgg gggtttttct tgattctgat 180

ctctgatctg atctcatcat cattgtccgt ggattctccg atgggtttct gattgtgggt 240

tctttcaaat ttcttcactt ttggagcttt tcttctctct gtcttttgtt ttccctcagc 300

tatggcttgg aatgagacca aactcaagag gctctatcaa gtttggagag gaagcaataa 360

atttctatgt ggcgggaggc taatatttgg tcctgatgca tcatctctat atctatcaac 420

catcttgatc ct 432

<210> 13231
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-037-Q1-E1-F6

<400> 13231

tttcttatcc ggaaaccaaa aacttccggt gataaaacct ccttcgtcat ctctctactt 60

cttggataaa atggcgtcaa ctttcactgc cacatcttct attggttcaa tggttgctcc 120

gaatggtcac aaatctgata agaaacttat cagcaagttg tcttcaagct catttggaag 180

gagacaaagt gtgtgtccta gacccagaag atccagttct gcaattgtgt gcgcagcaaa 240

ggaattacat ttcaacaaag atgggactac cattaggaga cttcaagctg gtgtcaacaa 300

gctcgcagat cttgttggtg ttacacttgg acccaaagga cgaaatgttg ttcttgagag 360

caagtatgga tcaccacgaa ttgttaatga tggtgtgact gttgcaagag aggttgagtt 420

ggaagacccg gttgagaa 438

<210> 13232
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-037-Q1-E1-G1

<400> 13232

aatcactctc cattttgatt ttcgtatctc tcgtgtcaca ctcacacaaa acacaatctt 60

cctcaaaaaa aattttgtgc aatctgattt gattttcact gtctttctaa gtttcgaaac 120

ggtggatttt gtccgtacgt ggttttgatt ctcgtagatg tcgaagctct gacgtaagat 180

tagagtttcg atttctaggt ttcttataac tatggcggtg gaatatgaat gctgcgggac 240

cagcttcttc atacacatcg ctgtgatagt gttactagtc ttgttcgctg gactaatgtc 300

tggtcttact ttgggtctta tgtctatgag tctcgttgat cttgaggttc ttgctaaatc 360

cggtactccc agagatcgta tccatgctgc aaagatttta ccaagttgtg aaaaatcagc 420

atcttttgct ttgtacttac tgataagg 448

<210> 13233
<211> 523
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-G11

<400> 13233

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ctaagattca tantttcctc tgtttttttt ccatattctc tgaagcatga caaaagattc 120

acactttcct ctgttttctt atgtcaaaat tagaaccaat aactgaaaga tttggtcaag 180

aagaggaaat gggaagaaca tgtttgccga gatggcgatt aggaagacta atggcaggat 240

tacaagtcat cttaggatta ctggtgatca ctgtgagcct ctcatgtctc taccgattcc 300

attccgtggg ttacttcttg caaaacgaag acacttgcaa caatatctac acaatcaaag 360

aagtcagcag cgaaggattc gacctaaagg cgctgcacga tcgtgttgat gaagtactag 420

aaaagatgga caacttgtac gagaagctag agaagacggt aaaagatatg gagaagagca 480

nagacggaag caaaaangag atgaaagaag tttcttgaag att 523

<210> 13234
<211> 519
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-G3

<400> 13234

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gtccgcccaa ncgtncgtgg agaacattct tgttattgga cacagctgtt gtggtggaat 120

aaagggactc atggccattg aagataatac agctcccact aagacgtatt aatctcaaag 180

gctaatttaa tcaaccatga gtttcttgtg attagttctc actaacttga tgtaaattct 240

tgaaaagggt agcgagttca tagaaaactg gatccagatc tgtgcaccgg ccaagaacag 300

gatcaagcag gattgtaaaa gacctaagct ttgaagatca gtgcaccaac tgtgagaagg 360

aaaccgtgaa cgtgtccttg gggaatcntt tgtcttaacc attcgtgaga gaaagagtgg 420

tgaagaacaa gcttgccata agaggagctc actatgattt cgtaaaaagg aacgtttgat 480

ctttgggaac ttgacttcaa gactaaccct gcctttgcc 519

<210> 13235
<211> 523
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-G4

<400> 13235

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acgcgtccgg aaacagattg aaatttgtca ggaagagaat agaattatag acaagatgca 120

cagacagaag gttgcagaag ttgaaaagct tatgcagagt gttcgggaat tagaagaagc 180

tgttcttgct ggtggtgcag ccgcaaacgc agtgagagat taccaaagga aattccaaga 240

aatgaatgaa gagaggaaaa tccttgaacg ggaattggcc cgtgcgaagg taaatgcaaa 300

cagagttgct actgttgtag ctaacgaatg gaaagattct aatgacaaag tgatgcctgt 360

aaggcagtgg cttgaagaac gtagattttt gcagggagaa atgcaacaac tacgcgacaa 420

acttgccata gctgaccgag ctgcaaaatc tgaagctcag ctgaaggaga aatttttact 480

gcggcttaga gtgttagaag agagtttaaa ggggcctacg aac 523

<210> 13236
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-H3

<400> 13236

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cgcgtccgga gaaatttggt atgggcaact tctaagcacg acgtgtatct tatgtcaaat 120

tttctggtta cacattattc ttctctaacg tctggaaagc atgaagttct caatgtccgt 180

ggtcatgttg cgccatctga gaaacatcct ggaagtttac ttgaaggatt tacgcagact 240

caagtaagta cacttgcagt aaaagatgac tttctggttg ctggcgggtt tcaaggagaa 300

cttatttgca agcatcttga tagaccgggt gtcagctttt gctctcgtat gacttatgat 360

gataatgcta taaccaatgc tattgagatc tacaacaaac ccagtggtgc acttcatttt 420

actgcgtcaa ataatgactg tggagttaga gactttgaca tggagagata ccagcttgtt 480

aagcattccg ttttccntgg gcatgaatca ccatc 515

<210> 13237
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-037-Q1-E1-H6

<400> 13237

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cgatccatgg ccagtgttct tcaagagaga atggaaacgt tgttggccgt ttctcaccgg 120

attcgccgtt accggcgttc tcatcaccaa gctcaccgct ggactcactg aggaagacgc 180

caagaactcc aagtttgtcc aacaacacag gcggtgatct actgacgtga gttgtccaag 240

ctgagaagcc gaagcgttct tatggaaact actgagagtg cttcagcttt caaacctgtt 300

ctaataacat gaaagagagg attatagaca ctatcaatct ctcgtttcct tttctctgtg 360

ttttcacaac tcttgaacag tgcaaattct actctgttta tccaaaaaaa aaaaaaaag 419

<210> 13238
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-H7

<400> 13238

tgtccnnccg gctccacggn nanggacgac ccgggtcgac ccacgcgtcn gcaaaacgat 60

caaaaatggt ctcataattc tctctatatc ttttatcact ttcgaagatt cctcttctcg 120

cccacaaatc aaaatcattt cttttgccga ctaattgaat ttcttagaat tcaacatacg 180

caatgaaaat gttctcgtca caaagattag actaatccga ctgtgttttt aatcaatcat 240

cattttattt aggggagaga agttgtaaag ttttgatttt ttttttctggg ttttttctgt 300

gagacccaga ngaagaacag agagaggaag aangagaaga nannnnnatc gctttctctn 360

cggctttcaa caagaanctc gnnttttccg tcatcagtgg tnaa 404

<210> 13239
<211> 64
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-H8

<400> 13239

agaaaatggg tgatgaggca gagatnaagg gacatttnaa ggcacaagct tcatctgnaa 60

caat 64

<210> 13240
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-H9

<400> 13240

gctcaatctc aatctccctc ttcgcgtccg gagaacactg gagaaatcgt ggttgtgaaa 60

cagagaagca aagcttttgc aagtatattt tcttcgagtc gtgatcaaca gacaacttct 120

gttgcttccc ctagtgtgcc tgtgccacca ccatcttcat caaccatagg atcaccactt 180

ttctggattg gtgttggtgt tggtctatca gctttgttct catatgtaac ttcaaattta 240

aagaaatatg caatgcaaac agctatgaag acgatgatga accaaatgaa tacgcaaaat 300

agccagttta ataattctgg attcccatca ggatcacctt ttccgtttcc atttcctcct 360

caaacaagtc ctgcttcctc gccattccaa tctcaatccc agtcttcang tgctaccgtt 420

gatgtgacaa gcgacaaaag tagagacg 448

<210> 13241
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-038-Q1-E1-A10

<400> 13241

caaaagcaga agcgagacta tcgccgagag ctctcactaa ctattgaatt catcgaagaa 60

gctctctcgt tgtcgcagaa tctcttcttc tccgttctag aacaatgggg aatgctcttg 120

tcaaaaaaga accaccgcct ccggtggtac tcgttcctcc gctctttgat taccctcctc 180

tctccgcccg cactaggatg ttggaatcat catataattt gttgtttggg aagcttgcat 240

tgagatgtct atttgaggat tactttgaag aagctaatcg attcacgggc aagtttttgt 300

tgaagcctac tgatgatcct catgtggatt tggttgcatc tgtttcgggt gctgtagatg 360

gtagagtgga aggagatttt gttgggaatg cggagtttcg ctggcaaagt gatgttgatg 420

attctcatac ttttgttg 438

<210> 13242
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-F1

<400> 13242

ngnnnnnngg aactggtntg ccttgnncta gccgtccgga aatcccnggt cgacccacgc 60

gtccgattcn atctatagag acgaaacaaa aagagagatc gtacgcaaaa gtttccgata 120

tggctcgctc gtttggagct aacagtaccg ttgtgttggc gatcatcttc ttcggatgtt 180

tatttgcgtt gtcctctgca atagaagagg ctacgaagtt aggatcagtg atagggatag 240

atcttggtac tacttactct tgtgttggtg tttacaagaa tggtcatgtc gaaattattg 300

ccaatgacca aggaaaccgt attacacctt catgggttgg ttttactgac tctgaaagac 360

tcattggtga ggctgctaag aatcaagcag ctgttaatcc agagaggact gtcttcgacg 420

ttaagagatt gatcgggcga aaatttgagg ataaggangt tcaaaaggat aggaaacttg 480

taccttacca gattgtgaac aaggatggta agccatt 517

<210> 13243
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-037-Q1-E1-C12

<400> 13243

ctcctctacg cgaaattcgt attctctcat ttcttctacg gagatttgca tcgaagaaac 60

tgactcgctt gtggaatcaa caacaagacg atgtggcgct gcgtctctcg tggctttcga 120

gctcctgctt caaagacctc ttcactcttt gatggcgtct ctggatctcg cttttccaag 180

attcttctcc actggttcta ccgatacgag atcctcttat acgatagtgg atcacactta 240

tgatgcggtt gtggtgggag ctggtggtgc tggtcttagg gcggcgattg ggttatcgga 300

gcatggcttt aacaccgctt gcattactaa gcttttcccc acaaggtcac atactgttgc 360

tgctcagggt ggtattaatg ctgcactggg aaatatgtcc gaagatgact ggagatggca 420

catgtatgac actgtcaaag gaagtga 447

<210> 13244
<211> 312
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-C2

<400> 13244

gnntngngga actggtccgc cttgttctag ccgtccggag ntccnaaggt cgacccacgc 60

gtccgaaaaa ttattataat ttttttggtt ggtgttggag agagatttca tgagcgtttg 120

gttgtgtttt caattattat tgagaaaatt gtatgttctt gagaggattt gtgatactat 180

ttaatcatct ctggattcca aaaatttctg gggattattg gatgttgatg agaaaaaaaa 240

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300

aaaaangggc gg 312

<210> 13245
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-C3

<400> 13245

nnntnnnnga actggtccgc cttgntctag ccgtccggac natccaaggt cgacccacgc 60

gtccggagaa aacttcttcc accacccaac tggtcgtttc tccaacggcc gcctcatcat 120

tgatttcatc gctgaattct tgggtttacc gcttgtgcct ccattctatg gatctcataa 180

tgcaaacttt gaaaagggag ttaatttcgc ggtaggggga gcaaccgctt tggaacgttc 240

ctttcttgaa gacagaggaa ttcattttcc ttacactaat gtgagtttag gcgttcagct 300

taatagcttc aaggagagtt tacctagcat atgtggctct ccttcagact gtagagatat 360

gatagaaaat gctttgattc tcatggggga aattggaggg aatgactata actacgcgtt 420

cttcgtggac aaaggcattg aagagatcaa ggagctgatg cccctggtga tnactactat 480

ttcttctgca atcacggagt tgatcggtat gggggggga 518

<210> 13246
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-037-Q1-E1-C6

<400> 13246

aacctcttgt agtagattcg tgacgggttt gatcatctct tcgaggtcgg ttctagggtt 60

tcactacgag aatggacgga gatgagctca ccgagcagga aactgctctt tatgaccgtc 120

aaattagggt atggggagct ggtgctcaaa gaagattgag taaatctcat gttttggtat 180

ctggaattaa gggcactgtt gctgagtttt gtaagaacat tgtgttggca ggagtaggta 240

gtgtgactct gttggatgat cgattggtta caacggaagt cttcaacgca aacttcttga 300

ttcttcctga tgaaaatgct tatgtaggca aaaccgtagc tgagatttgt tgtgattcac 360

ttaaggattt taaccctatg gttcatgttt caatagagaa aggtgatttg tcaacacttg 420

gtgttgattt tttcgagaag tttgg 445

<210> 13247
<211> 530
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-D11

<400> 13247

gntnnngaat ggtccttggn tnccggtccg gaccaaacgg gtcgaccacg cgtccggctn 60

aaaagangcc gtgtaataga cgctgaagca tctgttgcag tgcttgatac tgctgccggt 120

gtatggttgg atagaaatgg gcaagttact tctgcacgtg gaagtaaggg acaaatcgat 180

caagatccgt cttttgaact tatgcgacgc tgtcgccatg gcgcggcatc agttggtatc 240

cggatctatg tgcatggtgg tctaagaaga gatgtgttac ttgacgattt tctagttgct 300

gaaaattcaa cattccagtc agacatcant tctcctttgc tancatcaga tagaaaccaa 360

caaagttcta ctcccaagtt ttccttatgc cgcacgaact ccttcangct ctgaancaag 420

cttctccatg ttctgaaggg actgagcctt gggatgaaaa attcccttgg gagaaaattg 480

acngaaggct tctgcagcct gaanccanaa ggtaanctaa gttctgtttt 530

<210> 13248
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-D12

<400> 13248

ntggggaaga acatcttgac aaatgtttac gggaacaagg acaatgtaga tgacaccctt 60

gtagagatca ttgctggacc agcaaatacc gaaggtgcac tagatgcttt tgtttcaatc 120

ttaacgggtc ctcctggacc aaatccgatt aagctgatac cggaaataac caaaccggtt 180

cttgtcttat ggggagatca agatggacta acccctcttg atggtccagt aggtaagtac 240

ttcacttccc ttccggatca gttacctaac ttcaacctct atgttctaca aggcgttgga 300

cattgcccgc aagatgatcg tccggatctt gtccatgagc gtctccttcc atggctggct 360

caactttctt ccacctagtt tcgatttgtt tanccgtgta cacttgttta taaatgtaaa 420

ncaaatctat ctaantggaa aaaaga 446

<210> 13249

<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-D2

<400> 13249

anattccctc ttcacaacaa cagcttcgta ttcgctcatc ttcttcgctt tctgatcttg 60

gaaatcgcag gcattgttcg tctactcgag gatttcaatt ttggtcatac aagagaagcg 120

aagcagcgtc gccgttcaag acgaggtaca gagaaaacga agaagaagaa gatatgacga 180

ttaaaccggc ggttcgtatt tccgacggga atctaatcat caaaaaccgg acgattctaa 240

ccggtgtacc agataatgtc atcacgacgt cagcatcgga agctggaccg gtagaaggag 300

tcttcgtcgg agctgtattt aacaaggaag agagtaaaca catcgtaccg atcggtacgc 360

ttcgcaattc ccggtttatg tcttgtttcc ggtttaagct ctggtggatg gcccagagaa 420

tgggagaaat gggccgagat attccctac 449

<210> 13250
<211> 523
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-D3

<400> 13250

nnggnnnnnn nnggaactgg tcngccttgn tctagccgtc cggacatcca nggtcgaccc 60

acgcgtccgc ccaagcgtcc gctagatcta gccaaaactt ttgccatctc taaaatgtat 120

ctccattgac attttgagat ctatctagct ctgtttttct ttttagaaca aaatggtggc 180

gaaaccaagg tcaagatgtt gttgttgtag tgtgttcatc ggcgttatca tcttaatcgc 240

tataatcatc gctgtcattt tcacaatcag acatagatca aaccactccg atgatgatgg 300

ctccaatgtt aaaaactacg ctaatgctct caagatcgct atgcaattct tcgatatcca 360

gaaatctggt aagcttgaaa acaacgagat atcatggaga ggagattcag gtcttaaaga 420

tggaagcgaa gcaagtatcg atctttcgaa aggtttgtac gatgctggga gatnacatga 480

agtttggttt cccaatggct ttcactgcta cagttctctc atg 523

<210> 13251
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-037-Q1-E1-D5

<400> 13251

gcagtttggg cgatgtgctg ttattggtaa ctctggtgat ctcttaaaaa caaagttcgg 60

aaaggagata gatacttatg atacggttct aagagaaaat ggtgctccta ttcagaacta 120

caaggaatat gtgggagaga aaagtacatt ccgtcttctt aatagagggt cagcaaaagc 180

ccttgacaaa gtcgtggagt tggatgaaaa aaagcaagag gtcctgctcg tcaaaacaac 240

aatacatgat attatgaaca agatgattcg ggaagtccca ataaaaaatc ctgtgtactt 300

aatgctcggt gcttcatttg gctcagcagc caaaggaact gggctcaagg ctcttgagtt 360

tgctctctcg acgtgtgatt cagtggatat gtatgggatt cacagtggat caaggctata 420

aagagg 426

<210> 13252
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-D9

<400> 13252

gntnnngang gtntttggnn nccggtccgg anaaacgggt cgaccnacgc gtccgctctn 60

tttgctctta gatcttccct ctcatccgga tcaagcttca aaatttgtat gctttattcg 120

atttaatgtc tttgatacac ttgttcttgt tgttgggtct gctgagcctt gaagctgcgg 180

cgtcgttttc accgggatcg cgctcgattc tccgggacat cggcagtaac gtcgccgatc 240

agaaagacaa cgctatcgaa ttgaacgcta ccaactttga ttcagttttc caagattccc 300

ccgccaaata tgccgtttta gagttcttcg ctcactggtc agttttctca ttctctctct 360

ctctcgtaaa aaatctgaaa aaaattcaaa ctttaggctt ttaagcactg gatcttacac 420

ggaatttgtt tgcaagtgtt cntcaaattc gaacctgact ttacgttatc caattctcng 480

agatttatcc ggaaataact taactttata 510

<210> 13253
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-E11

<400> 13253

naacccccat acgaatcaga caagacactc cttccaatat accatacttc atcctttgat 60

tcaaatacca aaaaaattta aaccctaaaa ttcatttgag tctcttccta gtcatcaatc 120

tcttgaaacc ctgattccat ggtttctaga ttttccattg atcttgtttt taaataatgg 180

gaagctttca tcgccggact ttttcttatg ataaacttcc gaacgaaccc attaggctct 240

ccgttctcaa actagatggc tcttcctttg atgtttacgt attgacctcg gccaccgttg 300

gggatctcaa ggttgctata gaaactgcct tcagccatgt ccccaagaag ggaccctcca 360

agatctcatg gtcacacgta tgggggcatt tttgtttgtg ttcggangtc agaagttaat 420

taccgatacg gattgcatcg gaaatt 446

<210> 13254
<211> 109
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-E3

<400> 13254

ntaagcggat gatcnatttg ggcgccaatt ggnttcacat ggncattatg gacgggcatt 60

ttgtttctaa cctaacgatt ggtgctcctg tcatcnagag tttgaggaa 109

<210> 13255
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-E4

<400> 13255

gnnnnnggaa ctggtctgcc tttgncctag ccctccggan atcnaaggtc gacccangcg 60

tccggcacaa ccanggaggt tgccaagttg gaagagtggt tgacaagaat tacagagtct 120

taggcattga ttccttaagg gtcatcgatg gatccacatt tctcaagtct ccggggacta 180

atcctcaagc tactgttatg atgctcggaa ggtatatggg ccaaaggatt cttcaagaga 240

gggagatata caacaaaccg gataaagaag cgtgagatat tacttgtttt gagaaaatct 300

tgatcttgga attgttttaa tcaatgtatg attaacttaa agagtatgaa tgtgtacatc 360

tgttcatgtt ctgtttctaa tatgtataat aatggtggaa ttatggtact tggggcttct 420

agttttgcag aatttcggaa tatgagtcta gtattatcca taanaannnn nnnnnnnnaa 480

aaaagggcgg ccgctctaaa aggattcaag cttact 516

<210> 13256
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-E8

<400> 13256

ttcccttaac tctatctcta ggtgacttaa gagtaaaaaa tggtagaggc agaggttgaa 60

gtagatgtgg aaatcaaatc tacggctgat aagtttttca tgttctctag aagatcacaa 120

catgcctcca aagccactcg ctatgtacag ggatgtgatc tgctcgaagg cgagtggggc 180

gaagttggaa gcatactctt gtggaaatta actgttgatg gagagccaaa agtgtcaaag 240

gatatgattg aggcgattga tatgaagatg aatatgatcc agtggagggt gttagaggga 300

cctctgaagg aagagtacaa tattttctcg aaaacgatga aagtaagccc taagcaagga 360

gggtctggaa gtgtggtgaa gtggaacttg aagtatgaga gaattgatga gaaggtggct 420

cacctagaga ggctccttca nttcct 446

<210> 13257
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-C10

<400> 13257

gttgnngaat gtcttctggt tnntcggtcc ggattatacg ggtcgaccna cgcgtccgga 60

cnanancttc ttgccgttac caaaaccaaa atccctaaat ttgccctcat ttccctctga 120

ttagatccct taccccgaca aagacaccaa aattcttgag ggcgagagag ctgattgatg 180

tctttggtat ctggagccag ggacatgggg ttcgacgaca acaacaacaa canggaacaa 240

caaggatgga gatgatgaga actcctcctc cagaacaaga gccgacgacg atgctcttag 300

tcgacagatg agcgaatctt ctctttgtgc taccgaggag gaagaagacg acgattccaa 360

attgcaattg ggtcctcagt acactatcaa gagaacatnt cgagaaggac aaggatgatg 420

agagtctgag gaaatggaag gaacagcttc tcggaagtgt tgatgtcacc aanattggag 480

agactcttga tccggaagtt aggattgata ncctng 516

<210> 13258
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-A10

<400> 13258

aaacaaggcc atgtgcagag acagccgtat tgttcccggg gctgcagcga ctgaaataga 60

gttggctcaa aggttgaagg aatacgccaa tgcagaaata gggttggaca aatatgccat 120

caccaaatac gctgagagtt ttgagtttgt acccaagacc cttgcagata atgctggcct 180

caatgcgatg gaaatcatag ccgctctgta cactggacat ggatctggaa acacaaaact 240

aggcattgac ttanaggaag gtgcttgtaa agatgtttca gagacaaaag tatgggatct 300

ttttgcaacc aagttatttg cccttaaata tgcttcagat gctgcatgca ctgtacttcg 360

tgtagaccag attataatgg cgaaaccagc angtggacca aggagagatg cagctcaagc 420

tgcangtgct ggtgcngatg aagactaanc cgng 454

<210> 13259
<211> 523
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-037-Q1-E1-A11

<400> 13259

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cccgtccgcg gaanaatggg cggacgcgtg ggttcgtctc ttctcatcct cctctcaagc 120

tccaatggcg agagttctag tctcgtctcc atcttcattc ttcggttcac cgttgattaa 180

accgtcgtca tctctccgtc acagtggagt aggaggagga ggaaccgctc aatttcttcc 240

ataccggagt aataataaca aactcttcac tacttcaacc accgtacgat tcagcttaaa 300

cgagattcct cctttccatg gcttggattc atctgtagac atcggagcga ttttcaccaa 360

gagctgaatc tcttctctat acaatagctg acgccgccgt tgttggtgct gattccgtcg 420

taactactga ttcatccgcc gtgcagaaga gtggtggttg gtttggtttt aactccgatg 480

ctatggaatt gggtctaaga ttttgaagga tggattatca acg 523

<210> 13260
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-A3

<400> 13260

nnnnnnggaa tggtccgcct ngntctagnt ntncggagnt cganaggtcg acccaggcnt 60

ccgccgcang ttgccgttca gatgaccacc gctgagttaa atccatttcc gtctcgctcc 120

gttttctcgg tgtcgacgtt ggcactggaa gcgcccgtgc cggtttgttc gatgataatg 180

ggaagcttct aggatctgct actagtccaa tacagatttg gaaggatgga gactgtattg 240

agcaatcttc aacagatatt tggcatgcag tttgtgctgc tgtgaaatct gcttgctctc 300

ttgcaaatgt ttcggatgtg gaagtgaaag gaataggctt tgctgccacg tgctctctcg 360

tggcggttga tgctgaggga tctcctgtta cagtgtcgtg gagtggtgat tcaagaagaa 420

acattattgt atggatggac catagagctg taaagcaggc agagagaatc aactcattta 480

attctccagt cttgcagtac tgtggtggcg gtgttt 516

<210> 13261
<211> 517

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-A5

<400> 13261

gnntngngga atgttcntaa tgntctggcc cnnncaaacg gaaatccggg ntcgacccac 60

gcgtcngaag cncctagagg aaatctgaga gcggtggctc ttatcgccgg cgataacaac 120

gtccgaggct gtcttcaatt cgtacaagac atttccggaa ctactcatgt caccgggaag 180

atctcaggac tctctcctgg cttccatgga tttcatattc actcttttgg tgataccaca 240

aatggctgca tctctactgg acctcacttc aatccattaa atcgagttca cgggccaccg 300

aacgaggaag agcgtcatgc tggcgatttg ggtaacattc ttgcaggatc aaacggtgtt 360

gctgaaatct taatcaaaga caaacatata ccgcttagtg ggcagtattc catactcggg 420

agggcggttg ttgtgcatgc ggatcctgat gaccttggga aaggagggca caagcttagc 480

aaatcaactg gaaacgcagg ctcgagagtt ggatgtt 517

<210> 13262
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-037-Q1-E1-A6

<400> 13262

aaaaccttct ttctgagcca gaaagtttag ttcgccttgt tctgtctgtg tttcttcctc 60

ttcccctgaa atcgaacgat ttataaaatc gtcgtctggc tttcgacgat ctgctgacga 120

agaccatggc gccgattttc agatccactt cccttatcgc ttttttctctc ttcttcttct 180

tctttgcttc cactcttccg atctcatctg ggtctgagga tagttacacg atcacgggta 240

gagtgagggt tccagcaagc accgtgattg gtcatgcagc taaattctca aatatcaaag 300

ttatactcaa cggtggacaa gcatgttact ttcctcaggc cggatggata ctttaccttc 360

cacaaagtgc caagcgggga ctcatctgat tgaagtttat gcactgggct acttcttctc 420

cccagtgcga gttgatgtta gtgcg 445

<210> 13263

<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-A7

<400> 13263

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gagttacttt tgactctact caaggaagtc cttgatatga tccaaaataa tgaacggaga 120

agacatgaaa ccgaaaagcc agtggaagag gtttctcaag ttgagcaggt ccctttcttg 180

tttgcatggc ttgtgagtct tctcaatgga tcaaagcatt ttcagagaaa cagttctcta 240

gaagtgaaac ctccaagcat tttccttatg gaacttatac gtagatgtct tgtcttggga 300

gccttaggat atgagctggt tttgaaatca gcatttctac tcgcagagat tgtgggaggc 360

cgtgtcttaa aggagaagct cataaaactt cctcttatgc ataaaagctc tgcaattgtt 420

ccattgaaac agagttctac tcntgtt 447

<210> 13264
<211> 522
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-A9

<400> 13264

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tccgcccaan cgtccggttg aagcaccaga accaacaccc gtcaatccat catcagtacc 120

atcatcttct ccttccactg acacatctat tccaccaccg gaaaacaacg acgatgatga 180

tgatggggat ttcgtcctac caccacacat tggattccaa tatgcatcgc caccaccacc 240

aatgttccaa ggatattaaa accaatgtag tagtgacagt gttacccatt tttaacattt 300

ctgtccattt tttccatgtg aattatttgt atcaaacgaa aaagatatta caaagatgaa 360

aaacaacgac gatgatgatg atggggattt cgtcctacca ccacacattg ggttccaata 420

tgcatcgcca ccaccaccaa tgttccaagg atattaaaac cantgtagta gtgacagtgt 480

tacccatttt naacatttct gtccatttt tccatgtgaa tt 522

<210> 13265
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-B10

<400> 13265

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gttttatagg tagattagat agataaacta cggatatact cgaactctat ccatttacgg 120

tattgatttg gaaatatgga caagtatgac gttgtcaagg atctgggagc tggaaatttc 180

ggtgtggctc gccttctcag gcacaaggac accaaagagc ttgttgccat gaaatacatc 240

gagagaggtc gcaagataga tgagaacgtg gcgagagaga ttattaatca cagatcactt 300

aaacatccta atatcatccg gttcaaggag gtgatcctga cacctactca tcttgctatt 360

gtgatggagt atgcttctgg aggagagctc tttgatcgaa tctgtactgc cggtagattt 420

agtgaaactg angctaagta ctctttcaac a 451

<210> 13266
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-B12

<400> 13266

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gaagtcattc tccaagcata taattgggaa tctcataaat atgattggtg gagaaacttg 120

gatggtaaag ttcctgacat cgcgaaatcc ggctttactt ctgcatggtt gccaccacca 180

tctcagtctc ttgcaccgga aggttatctt ccacaggacc tttattcact aaactcagca 240

tatggctctg agcatctatt gaaatcctta ctgcgcaaga tgaaacaata caaagttaga 300

gctatggctg atatagtcat caatcatcgt gttgggacaa ctagaggaca tggtggaatg 360

tataaccgtt atgatggaat ttcattaccg tgggatgaac acgccgtgac ttcttgtacc 420

ggangactgg gtnaccgaaa gcacaaggga aa 452

<210> 13267
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-037-Q1-E1-B4

<400> 13267

tgtaaataat cttctcacat ccccgcacga ttattctcta gccgatcaac gaacacagag 60

acgctaatgt atttgactcg attcgaatca ttagtcctct aatcacaccg attgatttcc 120

acccacagat ttcttgtctg aaatttaggg ttagcgaagg tttggatcaa tgatgcaagg 180

tgaagtacaa ttgcagccac cggattcaca gaaactaagt gattccgctc ctttgttagg 240

agatcacacc aattcttctt cggcgtctcc ttctgctgcg tctgtggtgg caggaaatag 300

cgatgagata aaggctgaag aagatttaga gaacgatgct tcttcagctc cttgttgtcg 360

tatttgtttg gaggacgata gtgaattgtt aggcgatgaa ttgatttcac cttgtatgtg 420

taaaggcact caacaattcg tgca 444

<210> 13268
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-B5

<400> 13268

tantcgncca gtatncccgc atacntgncc cccgngctgg gccccacgcg tcngtgaaaa 60

atttgactag agagcattac cagtttttcc tgtatcagtt attgcgtgca ctgaagtaca 120

ttcacacagc taatgtctac caccgaggcc tgaaaccaaa gaacatattg gcaaatgcaa 180

actgtaaact taagatttgt gattttggat tggcaagggt tgcattcaat gataccccca 240

caacaatctt ctggactgac tatgttgcta ccagatggta tanagctcca gagctttgtg 300

gatcttttta ctctaagtat acacccgcaa ttgacatctg gagtatangc tgcatttttg 360

cggaggtgtt gatnggtaaa ccacttttcc ctggaaagaa tgtggttcac cagctggatc 420

ttatgactga tctgctaggg gacaccttcc ctggacanca tctcacgggt gaggantgag 480

aacgcccgga ngtacttnac cngcgg 506

<210> 13269
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-037-Q1-E1-B6

<400> 13269

gcaaaaatgg ctatctcaaa gcttattcct actcttgtgc tctttgtttt gttctctttt 60

gatgttagtg ttgctcatcc aggtctagga tttggatggg gaagtaatag tcccattgga 120

ggatcttttt actcaaatct ttacccacaa ttttaccagt tctcttgtcc acaagctgat 180

gagattgtta tgacggtgct cgaaaaagcc atagctaaag aaccaagaat ggcagcatct 240

ttactcagac ttcacttcca cgactgcttc gttcagggct gtgatgcatc aatcttgttg 300

gatgatagtg caaccataag aagtgaaaag aatgctggac caaacaagaa ctccgttaga 360

gggtttcaag taatcgacga gatcaaagcc aaacttgagc aagcttgtcc tcaaactgtc 420

tcctgcgccg acattct 437

<210> 13270
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-037-Q1-E1-B8

<400> 13270

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aattttgatt ttgagtttgc tcataatgag tctggtcatg gcacaagttc aagtagaagc 120

aaagatctgc tgcccttcca accaagctag aaatggctat agtgtatgcc gtataaggtt 180

ttccaagggc aggtgtatgc aagtgagtgg atgccaaaac tctgatacat gccctcgagg 240

ttgggtaaac gccattctcg aaaactcagc tgatgctacc aatgagcact gcaagttagg 300

gtgtgaaact tctgtgtgtg gtgccatgaa cactctccag aactctgatg caagtgaaat 360

tgtgaatgga gcgtcggaac aatgtgccaa gggatgttct attttctgta ccaagagcta 420

tgtatcccac 430

<210> 13271
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-A1

<400> 13271

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agattcggtt gaataatggc ggctgcggct tttgggcagt taaatctaga ggagcctcca 120

ccgatttggg gatctcgtag tgtcgattgc ttcgagaagc ttgaacagat tggtgaagga 180

acttacggcc aagtgtacat ggctaaagaa attaaaactg gtgaaatcgt ggctctgaaa 240

aagatccgta tggacaatga aagagaaggg tttccgataa ccgctatccg ggagatcaaa 300

attctgaaga agctgcatca tgaaaatgtc atccatttga aagagattgt tacttctcca 360

ggtcgagata gggatgatca aggaaagcca gataataaca aatacaaggg tggaatctac 420

atggtctttg agtacatgga tnatgacttg act 453

<210> 13272
<211> 289
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-E4

<400> 13272

ccgtnacctt cgttacntca tcaacatgac acgtaaaccc gtagcgattg tnnctgccgc 60

ggatgtcact cacatccagg ctacaatnac ttgtgccaag aaactcggnn tccagctccg 120

gatccgcagt ggaggacatg actacgacgg tangtcgtat ttatcaacca ttgatttcgt 180

tgtnctagac atgttcaatc tccggtctat caatanagat tctaaactcg acatgcgtgg 240

gtccaatccg gtgctacncc tggggaagtn taacnacgga gtcgccaac 289

<210> 13273
<211> 70
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-035-Q1-E1-E8

<400> 13273

gtatcctcct ccatcaaatc caacgttgna tcgtccctct cngtatcacc tccgtgtcat 60

cancatcgga 70

<210> 13274
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-F1

<400> 13274

anacacaant tgtaacttca aatagattac tttcaaagaa gagagagaga aagaaagatg 60

gacaagaaca tgaagtttcc agtagtagac ttgtccaagc tcaatgggga agagagagac 120

caagccatgg ctctaatcaa tgaagcttgt gagaattggg gcttctttga gatagtgaac 180

catggattac cacatgactt aatggacaag gatcgagaag atgacaaagg gaccattaca 240

agacatgcca agaacaaaag ttcantgaca tgctcaaagt ccaaangttt ggataatcct 300

tgagacaaga agtccaagat gtcgattggg aaaacacttt ccaacgttcc gtcaactccc 360

ctcaatccan tcncaatgac atttcaaatg gtgtcngatn aatacaggac ggggcatgaa 420

agacttggta agaaactgga gaatccctgg cgangatttg ttgggntcaa cngtgtg 477

<210> 13275
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-F10

<400> 13275

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gaaggattgg taggaacttt cttaggtgtt ggcatggtcg taaagactct cctctcgaag 120

ttgttgtact taacgacagt ggtggtgtca agaatgcatc ccacttgctt aagtatgact 180

ccatgcttgg aaccttcaag gctgaagtga aaattgtgga caatgaaact attagtgttg 240

atggtaagct catcaaagtt gtctccaaca gagaccctct taagcttcca tgggctgagc 300

tcggcattga cattgttatc gagggaacag gagtgtttgt tgatgggcca ggagcangga 360

agcatatcca agccggagcc tcnaaagtta tcatcactgc accaaccaaa ggtgctgata 420

tccctaacta agttatggga atc 443

<210> 13276
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-F11

<400> 13276

ngtnnngact ggtttgcctg ggcncttcgg tcggncanat cccgggtcna cccacgcgtc 60

cgcttcatgt caagcaagct tgatcggtag gtccaaagat tcctgcaacg ttcctggctt 120

cagaactaca acggagcagg ttgtgtttaa gtccaagata tctaatctct gtgtctatgg 180

gtttactgct ttaaatttca gacctttaga gaagaatctt catttgtgtg gcaagtaata 240

gagaacaaac tgcaataatc taagtctttg tttgtttcta ctctaacttt gtccttaaga 300

caagaacagg atcactctgt tctgtcttct tgtcctctgt attttatctt tagacttttg 360

ttatttttatt tatatatgag ttttagtttg ttaaaaacaa aacanntnca nnanncntgg 420

gcnanaa 427

<210> 13277
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-F2

<400> 13277

tngctttcnt ttttttttttg tangaaaggg ttaattatac gtaacacana aacaaaaaca 60

attctctttt tcctctagaa aaagagatta aaaaaaaaat ggaggggagg ttattgacgg 120

tgttggtctg cctcgtctct acggtggcga tcgtgaacgc cggtgatcct tacttcttcc 180

atacatggaa cgtgacttac ggaactgcct cacctctcgg tgttcctcaa aaggtgattc 240

tcatcaacgg tcaattccct ggtcctaacc ttaactcaac ctctaacaac aacgtcgtca 300

tcaatgtctt caaccaacta nacgaacctt tcctcttgac ctggagtggg attcagcata 360

ngaaagaact gctggcaaga tggtgtggct ggaacttcat gccccatccc aactggacag 420

aactttactt aacaattcaa actaaggacc anattgggtc ctact 465

<210> 13278
<211> 85
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-F3

<400> 13278

cngactgtgg caacacgacc gtgttgagga tcatcactaa tgatcaatga ancataanca 60

ctccctcgta cgttgctttc acnga 85

<210> 13279
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-F4

<400> 13279

ctaanctttt canagaaaga agaagaaaaa ggcggaattc gatggtggat gcgattcaag 60

tagctgagct gagaagattc gtcgagcagt tgaaattgaa tccttcgatt ctccacgatc 120

ctagtctggt tttcttcaaa gaatatctcc gaagtttagg agctcaagtt ccgaagattg 180

agaaaactga aagagattat gaagataang ccgagacaaa acccagtttc tctcctaaac 240

atgatgatga tgatgatgat attatggagt ctgatgttga actccanaac tctgaagtag 300

ttnaaccaaa caatgagcct cctcagccga tgggaaaacc tactgctnaa gtgaccgatg 360

naaatacgga tgatgctcag tcagagaaga acaaanctat ggangcaatc tccgaaggga 420

agtttgacca agctatagag catctaacaa aagctgtcat gc 462

<210> 13280
<211> 84
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-F6

<400> 13280

taacgaatca gatcaagtcg acaatggtcc nctctccgga ccncacctga tgtctatacg 60

ctgcccataa ncttggctca ttnt 84

<210> 13281
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-G1

<400> 13281

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cacttttcnc tcttcaagcg ggagttcggg aacgtctacg cttccaacga ggagcatgac 180

tatagattct ccggntttca aagcgaatct caaggcgaac gaggcgtcac caagaagttg 240

ggatccgtcn gcgactcatg gtgttacgca gttctcaaaa tctgactcgg tctgagttcn 300

gtaagaagca cttgggggtt acaagtggtt taaancttcc taaaaatnca aaaaaggccc 360

caattctccc taccgaaaat ctccctgagg attttgattg gaaaaatnat ggggccgtta 420

ctccctttaa aaacagggat ttgcggcctt g 451

<210> 13282
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-G10

<400> 13282

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taatcatggc aaagatctcc tttgcgcttg tcgttgtcgc tcttattgtc tttcaacaag 120

tatctgaggc tcatcgtccg atagatttca acgaagaagt acttgaaaag gacttgcatg 180

aagccaagga cttgatagaa gaagacttga gagagaaaga aacgagcatc aggaacttgg 240

aaagcgaggt tagtttgtta accaaatctg agatgatgct tactcagctc gaacttgctt 300

acaaaaatgg tagaaatctt gagcatttcg ggaaaaaact caagaaattc aacaggagga 360

tnaagcgggc tcctgangaa gtgagatacg tttccatcat ccagtccatt ttgaanggat 420

ttgggattaa acngagggag acattaaaac aagaa 455

<210> 13283
<211> 94
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-G11

<400> 13283

cagcancatc atcatcatca tcatcaacag cagcgtcacc tgangttgag actgtctcaa 60

accggangtt tgcagagacg tttgattana cgag 94

<210> 13284
<211> 235
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-G4

<400> 13284

aaactaacac aagtagataa atataaagaa aaatgcttga taagcttatt attggggttg 60

ccggagggat tancggaggg attcttggaa cggtcgatgg gtttgccaaa ggggtcggga 120

tatggcccaa taattatcan agcaccggtc gcttcnagaa caacaatatg acgagtccgg 180

gaaactacgg caatggtaat ggcggtgcag tgaaggcatc cgagaactcc ggcgg 235

<210> 13285
<211> 131
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-G9

<400> 13285

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tcttttccga gcaacgcttc tcgtagctct tgtccgcgtc cncatcttcg ccntcaacta 120

ccctccantc t 131

<210> 13286
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-035-Q1-E1-H11

<400> 13286

aagacagaca gtcagttaca tatcagaaca tgttgttggt actggttcct ttggcatggt 60

tttccaagct aaatgtaggg aaactgggga ggttgttgcc atcaagaagg ttctacaaga 120

caaacgctac aagaacaggg agctacaaat aatgcagatg ctagaccatc ccaatgccgt 180

tgctttaaag catagctttt tctcaagaac agacaacgaa gaggtttatt tgaatcttgt 240

ccttgaattt gtgcctgaga ccgtcaatcg tgttgcaaga agttatagta ggacaaacca 300

gctgatgcca ttgatatatg ttaaactcta cacctatcag atttgcaagg cgcttgctta 360

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acccacacac gcatcaacta aaaatatgtg att 453

<210> 13287
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-H12

<400> 13287

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ttctcgtatt cgtatcaacc ttctctaaac cctcatgaaa cttctgctac aagtttctgc 120

aaaaacacac catatccaga tgcatgtttt acctccttaa aactatccat ctccatcaac 180

ataagcccca acattctctc tttcctcctc caaaccctcc aaacagctct ttccgaggct 240

gggaaactca ccgatctcct ttctggcgct ggggtctcca acaacctagt tgagggacaa 300

cgtggctctc ttcaagactg caaagatctt caccacatca cttcttcttt cttgaaacga 360

tnaatctcca agatccaaga cggtgttaac gattcacgga aactagccga cgctagagcg 420

tanctaagcg ccgctctcaa caacaaagat tag 453

<210> 13288
<211> 51
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-H2

<400> 13288

atnacgtctt ggcatacant gggagatggg ttcacgagtg catcgttcca g 51

<210> 13289
<211> 308
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-E3

<400> 13289

gagagagaag gagacgccat ggaaaggctt cttcaaccat cttcttcttc ttcctcaatt 60

tctccttcca aattcccttc acgggacttc tcctttcctt ccccgtctcc gctcatcggg 120

tctgagcttt gtctcgactc ancggcccga gtcacgccga gtcagctcan tttcctgcaa 180

cagttcccag attccgtcan tgtatacgcc tataggatct aanacnncta acaattccnt 240

caatgggtct cccaaatcgg atgaatcnaa agctaatccc ggatttctca cacggatngc 300

gangtcgg 308

<210> 13290
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-H3

<400> 13290

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ctttcgggga tgggctgcag cgcgggcctg atctcagttg atctagcccg cgacttgctc 120

caagttcatc ccaattcaaa tgcaatcatc gtcagcacgg agatcataac gcctaattac 180

tatcaaggca acgagagagc catgttgtta cccaattgtc tcttccgcat gggtgcggca 240

gccatacaca tgtcaaaccg ccggtctgac cggtggcgag ccaaatacaa agctttccca 300

actcgtccgg acacaacgtg gcgctgacga caagtcttct actgtgtcta cgaacaagaa 360

gacnaagaag gacacttgga tcaacttgtc aaagattcat ggcatcgccg gtgaagcctc 420

aaaggaaaca tcaccacata gtcnttggtc 450

<210> 13291
<211> 344
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-H4

<400> 13291

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cggagaattg tatttaaatt gaanccgctt tgtattttcc tcanagccaa agatttttcc 120

ttacnaggat tttcattttc tcntctgttt tcgtttcaaa ttcaggaaaa tcttccgttt 180

caatccggtt tanatcggtt tttaacaatg tcgatggtaa ctgtcaaagt taacaacgtt 240

tctcttgaag caacagaaag agatntcaag gngttcntcc ctttttccgg nganattgcc 300

taactccang actcaangcg aagaatgatg gntctaaatt agna 344

<210> 13292
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-A12

<400> 13292

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agaaatgggc ggcttttggt ttttaaagac tgttgttttt gtttctgtcg gtaaaacata 120

aaagaaaatt ttattgctct tgaagatatt aaaaatcaga caagctgttc aagaaaaata 180

ttattctgtt gaataaagta aactgatggg gaagagaagg tttcagaaag caaaggaaac 240

gtcgtcagta gcagaagctt catctccgac ggagtctcag gctacaagga gacgaagagg 300

aaggccaagg aagaatcttg agaacccaga agatttcaag aangaagaat ctgaagaaga 360

cgaggattac gaaagagtac gaggacnaag aagaagaaag acgaagaaac tgangtgggt 420

tantaacaga gaagaanctg aanaana 447

<210> 13293
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-C3

<400> 13293

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ctttgcagtg acagggacac agggtttggg attgaagcga aaaaccctag cgtttacgcg 120

tcttctcaag cgaaaaaatc cntaatttcc acagagaaga atggctatgg agatcacaca 180

gttccttctg gctgcccagt cagccgatgc aagagtccgt actgaagcan aggctagtct 240

cagacagttc caaggaacaa aacttgccgc tgttcttgtt atccttgtct tttgagcttg 300

aaaacaatga taaacctgct gaatcccgtc gactaaccgg tattctgcta aagaattctc 360

tggacgccaa agattctgcc acaaaagatn atctggtgaa acaatggttt gcaattgatg 420

ttgctcctaa atcccaagat naaggatcgc ntactaagaa 460

<210> 13294
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-C5

<400> 13294

tgnngaantg gtttgcgtgc ccnngggtct agcgaatccg gattatcgcg ggtcgaccca 60

cgcgtncgcg gaaacgtggg gcgaagctaa aggagatagg aggaaacaac atatttgcan 120

atgggaaagt agaagcaaga gactatttat gcggtgtccg taaaccacca ggtggagaga 180

caagcatcgc acttgtttaa aatcatcttt ttcggtaaca acttaactct tttataaacc 240

gcggttgttc ggtgtgtgtt cttgtggttt cccatacact tcagctcaaa gtgtgatttg 300

tattttgcgg tttcntggtt gttattttta ttgagttggt ttttaagccg ttagggcttt 360

ctaatgtaag ttcgagctta aactgttggg agattatnag cattactacg ggacaagatg 420

atgttgcttg tttcagaaaa gaanctgcta aaaa 454

<210> 13295
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-C6

<400> 13295

gnctagtcgg agagaagtac ggtgccggtg cggcagacgg atgtgggttc aaccagacgc 60

ccgtaccgtc caatgctcaa cctgccacac cgtcacgcag ctctactcgc tagtggacat 120

agctcgcggt gcaaaccgca taattcatgg gtttcaacag ctacttagac aacaccaacc 180

gcaacatcat gaacaacaac aacaacaaat gatggctcaa ccgccaccac ggctgcttga 240

gcctcttccc tcgccgtttg ggaagaagag agcagtttta tgcggcgtga actataaggg 300

aaaaagttat agcttgaaag gttgcatcag tgatgctaan tcatgaaaat ctttattggt 360

tcaacaaatg ggtttcccta ttgactctaa tctcatgctc acaagaagat naaaccagcc 420

cgcagagaat accgacgaag agaaacatta ggaaggngat ta 462

<210> 13296
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-D10

<400> 13296

catttcatct tcaccaaact ctcatggact tcgattccgc agtgagtttt tatttcctct 60

cctaaccaaa tctttactct acttattaat tttgatataa acaaaccctt tgaattcatt 120

tgttttacaa atttggaccg taatttttga acattacaaa aggaaaccct attatctgtt 180

ttgttttctt taggacaaac gagagagtgt ggaggagaca gtgatgatgg aatacgatga 240

agaaaccaat caattcgacg ttgaattttg tccggttgag catcctattg aaccggagga 300

agaagatcgt ccggttaaat gtcccgtacc aatatcatct tctctcatcc acaaaccaaa 360

ggagaaatcg aaaccggggt gggttaaaca cagagccagc agctacgaaa ctccnggtta 420

tccaacgcca cgtcatcatg tacgttacgt acgaaa 456

<210> 13297
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-D12

<400> 13297

gcagtagggt tgaagcggat agtacgccac ctctatctct ctctcaccct atcgaactcg 60

cgaagaacat cttcttcttc ttcttctccg tcttcgtctt cgcgagctct ctcagtagcg 120

caataaaatg ggggcttcgc ttcctcctaa ggaggccaac ctcttcaagc tcatcgtcaa 180

atcatatgag actaagcagt acaagaaggg actcaaggca gctgatgcca tattaaaaaa 240

gtttcctgat catggagaga ctttatcgat gaaaggactg actctaaact gtatggaccg 300

caaaactgaa gcatatgagc ttgttcgact tggagtgaag aatgatatca aaagccatgt 360

ttgctggcat gtgcttggtc ctttgtaccg gtcagacaga gagtatagag aagcaatcaa 420

atgctaccga aatgcccttа gaatana 447

<210> 13298
<211> 543
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-D3

<400> 13298

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cccanncgtc agcttttgag aaagaaaaac ccaaacttgc catgttttag atctggtcct 120

ttttaagctc caaaagattg ttgctttttc tcttgcttaa gtttttgatt tattcttctt 180

cttcganaag tctgtacctc gcaagagttt gattgtcctt gtgttgcgat ttccatgttt 240

agtatctgca tttgatagcc ttcgatgctg catgcaattc ccaagactct ttctgantgc 300

tacaacgccg tgatttctct ctgccatttc cttcgatttg atttctgggt tctcttcttc 360

tcgtctctct tctgcatgtt tcgccactct ancttaagaa aaaaagttac gtttcgcctc 420

cgatttaagg ctcgatttga tgaaattcng tccgtcntgt gggctaatta ncaanattga 480

acattaaagg gtttcctgaa tttgttgggt tcaagaaatt ggttttaaac caanccngtc 540

ctt 543

<210> 13299
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-D4

<400> 13299

accancttct ctccaatctg gatctggttc ctcttcttct tggtctcttc tccatctcat 60

cggagctgat ctcgaattgt tctccgttca nttgttacgg tggagatnan ctcggatcac 120

cgcgacgctc ttttctctct ggaactggaa tcgcctgatc cggacgaagg aggtgtatca 180

gacggaggag aatctgatan cgacgaggat ttgcgcgaca acgatgatgt tgttatgccg 240

ggaacgaacg aagctgaagc tgaagacgac gatcccgaag aggaagatct caattctccg 300

tctacatcat cactccccat ggtttctacg aatctcagcg actgctgttg tttccgggaa 360

cccgacggcg acttcctcta cangcgccgt gaccgttgca ctttcggctg gattcgccgt 420

cctgtctncg tgaatcccgt tgattccgat tcgaaatggg 460

<210> 13300
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-D5

<400> 13300

ccannngnan gaagnaggan gaaaanaggc cgaangaatt tcttaaaaaa tcctaaatcc 60

tccggtggcc tttccaantt tcaaaanttg nattttgtcc tccctttaag cgggatcgat 120

tcgttggatt atnaaagctc cgccgtcgcc tccgccgcaa tcgacgggcg ggtgtctacg 180

tcgctttcgt ttcgtgcgtn acangaggag cagcagcaaa ataagtcagc ttaagtaacg 240

ccgtctttga tttgacttga gataagtatt ttggtgatat ggcattgatg atgtttccgc 300

atttgctcga cgttgacgan aagttnaatg ctggcgaatt ggnagaaacc acatncagat 360

tgatgctctc ttcagtcgac ctcttttgtt aatttgttga aacttacggg gtcgaaggtg 420

tgtacatata tgctataagg a 441

<210> 13301
<211> 532
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-D8

<400> 13301

nggnngaact ggtttgcgtt tccctaggnc ctagcgaanc cgganatcgc gngtcgaccc 60

acgcgtcagg gcnaactgca ntctggtttc ggtggatgaa caatgaacag aacgagagag 120

atcctgataa natcaacaac aagaagaaga aaaaggaatc tccattgttg atttactccg 180

tctcgaaagc agagaaacga atcgtgtcta agttcagaag gagaccctta tcgccgaata 240

cgtctccttc ttctgggttt tggaaaanag tctgcttttg tggaattgaa cctgaccctg 300

aagatgacaa ctttaanctt agggttctgc tacagaccaa tgatttcttc tccaaggatt 360

ctaatccaca tctctgtttg taagttcaga tatatatata tatatatata tatatagtgt 420

agttttcatt tagtatacca ccaatatctg tatagatctt cctttaaact tcatcaanat 480

caanagtgtg ttcatcaatg ttnccaaana tttttgcaga acagagtgat ta 532

<210> 13302
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-D9

<400> 13302

caggagatta tcaagctgtt ttggagtatc tcaaaggagg acagagcgac caacaattcc 60

gcagaaaact tgcgtggaag gcctttcagc atgttgctgc atatgattct gcggtttcag 120

aatggctatg gaagcagact gaaggaaaag agaagttccc tcccagcttt acagttccgc 180

ttgtacttaa gagttctctt cgttacggtg aaaatcctca tcaaaaagct gcattttatg 240

ttgataagag ccttgctgaa gtgaatgccg gtggtatcgc aacagcgatt caagcatcat 300

ggaaaggaaa tgtcatacaa caactatctt gatgctgacg ctgcatggaa ctgtgtgtcn 360

gaatttgaaa anccaacatg tgtagtcctg aaacataaaa atccttgtgg ggtggccncc 420

ctgaaaaaaa 430

<210> 13303
<211> 207
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-E1

<400> 13303

ctctcnggaa actctcnggt tgcactacca tctntganan antcattcgt tcctctcgct 60

ctcttcaacc tcattgtcaa tctgctccta ataaggttga naagccgaac agcaaggttg 120

atgatggcat ctttggaacg tcnggtggga ttggtttcac aaangcgaat gagctattcg 180

ttgtgtcgtg ttgctatgat tggnttc 207

<210> 13304
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-E10

<400> 13304

aagataaagt ggttcttgtg acaggtgctt catctggtat agggagagag atctgtcttg 60

atctatgcaa agctggttgt aagattgtag cagcagctcg tcgtgttgat cgtctcaact 120

ctctctgttc tgaaatcaac agctttggtg caatcggagt ccaagccgca gctcttgagc 180

tagacgtttc atcagacgca gacactattc gaaaagcggt taaagaagct tgggaaatct 240

ttggaacgat cgatgttttg attaacaatg ctggaatcag aggcaatgtc aagtctagtt 300

tggatttatc aaaagaagaa tgggacaaag tctttagaac caacttgacc ggatcttggt 360

taatatccaa atacgtctgc cttttgatgc gtgacgctaa gcgtgggggg ctcggtgant 420

aacgtcnctc gatttcctgg gcttcatcgc 450

<210> 13305
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-E11

<400> 13305

gctttgcaag tctattaacc ctgatgaggc tgttgcctac ggtgctgctg tccagggagc 60

tattctcagc ggtgaaggaa acgagaaggt tcaagatctt ctattgctcg atgtcactcc 120

tctctccctt ggtttggaaa ctgccggtgg tgtcatgacc actttgatcc caaggaacac 180

aaccatccca accaagaagg aacaagtctt ctccacctac tcagacaacc aacccggtgt 240

gttgatccag gtgtacgaag gagaganagc cagaatcaag gncaacaanc ttcttggtaa 300

atttgagctc tccggaattc ctccaagctc ctccgtggtg tcccccagat nanantctgg 360

ntttgacatt tgatgccaan gggnatnctc aatgtcccct gctgnggaca agacaccggg 420

ccnaanaaac a 431

<210> 13306
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-E12

<400> 13306

ntggccttct ctatcacccg aagctgtaga ttttgtgaag agattgctaa acaaagatta 60

ccgtaaaaga ctaactgcgg cccaggcttt gtgtcatccc tggctggttg gctcgcatga 120

actaaagatt ccatctgata tgatcatata caagcttgta aaagtgtaca taatgtcaac 180

ttcattgaga aaatcggctt tagcggctct tgccaaaaca ttaactgtac cgcagttagc 240

gtatcttcgg gagcaattca cattgttggg gccaagcaaa aatggatata tctcgatgca 300

gaattacaaa acagcaatcc taaagagttc aacagatgct atgaaggatt ctcgagtgtt 360

tgattttgtt cacatgataa gttgtcttca atacaagaaa ctanactttg aagagttttg 420

tgcttcagca ttaagcgttt atcagctcng aaaca 455

<210> 13307
<211> 532
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-C2

<400> 13307

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ctccgtctca ncttcacctt tccctttttc aaaatctctc tctctctctc tcttttaga 120

tccagtttta gggttttctt ctctgtgagc gaagatgcgt gagattcttc atattcanng 180

aggtcaatgc ggaaaccaaa tcggttccaa nttttgggaa gtggttaatc tcgagcacgg 240

gattgatcag acgggacggt atgtaggaga ttccgagtta cagcttgaga gggttaatgt 300

atactacaac gaggcgagtt gtggaaggta cgttcctcgc gctgttctca tggatttgga 360

gcctggaacc atggacagtg tcagatctgg tccgtacggt cagatctttc gaccggataa 420

cttcgtcntc ggtcantccg gtgctgggaa taactgggct aaaggtcact acactgaagg 480

tgctgagctt attgattcgg tccttgatgt tgttcgcaaa aaagctgaaa aa 532

<210> 13308
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-A10

<400> 13308

aaagaagaac aacaacaatg gaggagattt cggagaagaa gaaagttcca ttgacggaga 60

catactcgag tcaatcctct cctatttacc actcctagac ctcgattccg cttgccaagt 120

ctccaaatca tggaaccgcg ccgtctttta ctccctccgc cgccttaaaa ccatgccgtg 180

gttgttcgtc tacanccaga gaaattctcc gccgtacacc atggcgacga tggcgatggc 240

ttatgatccc aagtccgagg cctggatcga gctcaagacc gcatcatctc ccgtcgaaca 300

cgtctccgtt gctcgatcct ctcactccac gttgctctac gctttatctc cggcgagatt 360

ctctttctca accgacgcgt ttcatctgac ttggcaacac gtggcaccgc cgaaaagttt 420

ggnnggatng atcaatccgt ngctgttgtc cggacgggan c 461

<210> 13309
<211> 334
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-A11

<400> 13309

gtnttcgtag nccttttcgcn tgggccntat cggtccnnna cccacgcgtc ggctttnttt 60

gtctgttagt aatctatcta cactaatgtt gttactcttc aatgtattca gtatcatatt 120

tatgttttct gttcattgaa ttagtcaaaa agcatttggc tttacaatcc ccaatttctc 180

actaaaaaca gatttcacaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240

aaanaaaaaa aaaaaaaaaa aaaaaaaaaa aaanaaaaaa aaaaaaaaaa aaaaaaaaag 300

ggggggccnc cctannggtt ccanncttac ttnc 334

<210> 13310
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-A12

<400> 13310

tntaccttct agcttccgat ttcccccgat gaccaagaag ccacaatggt ggtggagaac 60

tttggcttgc ctgccttacc taatgccact gcatgaaact tggatgtatg cagaaaccgc 120

ttaccatctc cacccattcc tagaagattt tgaattctta acctacccat ttctaggcgc 180

cataggaaga ttaccaagct ggttcctcat ggcttacttt tttgtagctt atctagggat 240

agtgcgaaga aaagaatggc ctcacttctt caggttccat gtagtgatgg gtatgctgct 300

tgaaatcgca ctccaggtta tagggaccgt tagcaagtgg atgcctcttg gagtctattg 360

gggtaagttt gggatgcatt tctggactgc tgttgcgttt gcntatctgt taccgtcctt 420

gaaagcatac ggtgtgcact tgccggtatg tacnca 456

<210> 13311
<211> 208
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-A3

<400> 13311

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tcgtttagat ttaagtgtag acaaacgtca tgaaattgga ttctgacctt aaattgacta 120

ccttttctga agctactgna ttgtgttnga ntgttagtgt acaagtctcn gaagttttgg 180

ctacctagta atgataatgt gtgtcnct 208

<210> 13312
<211> 87
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-A4

<400> 13312

cacctgncat attgtggaag agtcngtaac cttgtcacag atangattga aaaccncagg 60

aagacaacgc tgaaggaatg atagatc 87

<210> 13313
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-A6

<400> 13313

ggatctaaac tcgagctttt gttgatcgaa aaaatggaag aggatttgat taagcgcctt 60

gaagctgcgg ttacgaggct tgaggggatc tcaagcaacg gaggaggagt agtttctctt 120

tcccgcggag gagatttctc ccccgccgcc ggaatcgata tcgcgtcgtc ngattcatcg 180

attctggctt atgaagatct gatttctcaa tgtgttggta nggctctgan cgccgctgag 240

aaaatctgtg gaactgttct agatgtgact aagatagtcn ccgaagcttt tgcttcccaa 300

aangagctgc ntgttcgcat caagcaaact cangaaagcc tnaactcgcc ggaattggct 360

ggaattctca aaacnttnaa tnaaggttnc aatnnaancc nnangncatt nntttaagga 420

aaaangt 427

<210> 13314
<211> 52
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-A7

<400> 13314

gcgacgtcca tgtcatcgat gaagaangtt ctgaggctcc ganactggtc ga 52

<210> 13315
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-A8

<400> 13315

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attgatattc ccgtgttctc ctcgctcttc cttcgttttt acatcccggc tctctagcct 120

gcctctaaag cgtgcgtcta tcggtggtgc tgtctcctgg ttccggcgtc aaagggcttg 180

actcgggtgg gaanttcaat tggntttcna ctccgcccga actccgtttc ctggttcggt 240

tcaaatttaa ctccnggaaa tcggaactcc ggaactccgg aatttccctc aacgaagaaa 300

tcaagcaagg ggaaaatccc aaggttttgg ggggaaaatt ttaagggaat taccaagnaa 360

tggggaactc aatgggacgg gcnaaatttt cnccnggtgg gancaaaaaa ttccgntttc 420

ncaangctcc aanttgcctc aaattaaccc tcaataccca aaaatccttt ttggcgggaa 480

aacaattacg gctctttcgg ntgtcccaag ggng 514

<210> 13316
<211> 368
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-B10

<400> 13316

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tctcctcaca ccactcatct tcctcctcct cctcctctca ccattttcag tctcagatgc 120

tggttccatc ggagtaaact acggccgaat ctccgacgaa ctcccctccg cattcaaagt 180

agtccaacta ctaaaatccc aaggaatcac gcgagtcana atcttcgacg cagaccatca 240

gttctcaaag cattatccgg atntggaatc aaagtcaccg tagatntccc caacgagtta 300

cncttctccg gccgccaaag gaactttcct tnggcngttt tcanggggtn naannngcna 360

nngntttc 368

<210> 13317
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-B12

<400> 13317

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gattaccttt ggggctattt cctaaaggcg tgaaaggatt taccgttaat ggcgaaacgg 120

gacggttctc ggtttatttg aatcagtcat gccaggctaa gtatgagaca gagctgcatt 180

acgatgagat tgtttcggga acgataggtt atgctcaaat cagggattta tcgggaatct 240

cagcgcaaga gctgttcttg tggttacagg tgaaaggaat ccgagtcgac gtgcctagct 300

ctggtcttat attcttcgac gttggtgttc ttcgcaagca atactctttg tctttgttcg 360

agacaccaag agattgtgtc gcggttcgtg gcgatgccga gtttantggt gaaaacaang 420

gtcaatcntc gatgttgcca attgtatcaa gtnaatt 457

<210> 13318
<211> 295
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-B3

<400> 13318

tgaaagccat tcatcaanna tntacctaac cgatgtanca ccanaagcat tcnaggctat 60

gatgaatttc atgtacactg gaaagttgaa catggaagac actgtgaatt ttggcaccgn 120

agttgattca tcttctcttt ctagctgacc ggtttggagt tgttccactt catcaanaat 180

gctgcaaaat gctcttggag tgcctctcan aagggatggc gttccgtttt ggnanaagga 240

tctgtatgct cagttctcca antggtttcg tcaactcatc atgtnaactc attga 295

<210> 13319
<211> 68
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-B4

<400> 13319

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aacntcaa 68

<210> 13320
<211> 69
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-B6

<400> 13320

gggaagtcac aggattcgtc gaanacatta aatcaggaca taaagaanga gagatgcttc 60

tcgttgttc 69

<210> 13321

<211> 521
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-B9

<400> 13321

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cgtccgnaac agtggaccac ctgatcaaca atgctggagt acctcaaact gttatattcg 120

aagatttcac acaaattcaa gacgctaatt ctataatggt gagtttttaa tgatattctt 180

ttacaagttc attaataatc catatattta caaaaatgct tagctcttct taaacatgat 240

ttgattgctt caaacgcaag tattaatgaa cttgtaaact taggttttga atggatgttg 300

tggttagtgt ggactaatcc ctcagcggtc tagtctatac tgtttttggg gcggacaata 360

aaccgctgcg gagttagttt aaagacggtc cacaattagc ccgcaacggt tttattttat 420

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cttagaatta nacatgtagg caaantttga ntgcctcaaa c 521

<210> 13322
<211> 73
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-C1

<400> 13322

caangaagga aatgataata tatacataca cagacanaca cacaatgctc atcagaanga 60

agttttatat gat 73

<210> 13323
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13323

tncttctctc tttccccatc aaaaaaaaca aaaacaaaac acaactctgt ttctctcatc 60

ttaaaattca tgtaaaaaaa atctacaaat caaagagaga aacagagtaa agagaaagag 120

aagaagatgg cgcggaaata ctttcagaga gaagttttgc cggtaacggc tttggtaata 180

atggaatgtg caaacgttgg tttaaacact ctgtttaaag cagcaacttt gaaaggcatg 240

agctttcatg tcttcatcgt ttactcttat ggtctcgctg ctctgcttct tcttccttct 300

ctgttttgct ctttcagatc aagaactctt ccaccgatga atttctctat tctctacaaa 360

atcgtgctct tanggattat tggatgctgt tcaaacataa tgggatacac agggataaat 420

tatagttctc caacacttgc ttctgnaatc aacaac 456

<210> 13324
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-H8

<400> 13324

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ctagccaaca agctcttcct cctcactcat ccagatgttc cagacatcga gaaagtccag 180

ctcaagtctg aggttttgga tttcatcaag atcccatggt atggctcctt tgtacgaaac 240

cctaattgcc tcttcggtgc tggatttgga tnaaagcttg ttagagtcta tgcgggccgc 300

taatgaagaa gagcttaaag aagctcgacg agaagattgc aagatgcaga agaaaatttg 360

ggtgaaagtg aagttcgtga aanccancct tgctaaggcc tgtanttcat caaggattaa 420

tgataaggag aaagcnttgg acaactaaaa ac 452

<210> 13325
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-C11

<400> 13325

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tantctccac ttcacaaact tcgtaatcaa aacatcaccc tctctttctc accgcttccg 120

ctgtcccgat gccgtcccgg natccactgc tcagtttcgg ccggtgagac tacaatacaa 180

tccatggagg aagctccgaa gatatcatgg ggatgcgaga ttgattcact tgagaacgct 240

acttctcttc aagaactggc tctctgattc aggtctccct ccgcagaaaa tggctattga 300

tagagtcgac atcggtgagc gaggcctcgt cgcttcacaa gaatctcatg aaaaggagag 360

aaattgctct tcgttcctcc ttctcncgtc atcagtgctg attccatcaa tgcaaggtta 420

aagttnccgg cnttcatgaa tggtgaatat cnaatatt 458

<210> 13326
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-C12

<400> 13326

cttcagcacc atgggatatt tgatctctcc tacaatagat tgtctggccc tataccagaa 60

gaacttggcg agtgtttggt attggtagag atttcactga gcaacaacca tctctctgga 120

gagattccag cttcactctc tcgtttgacc aacctcacaa tcctggatct atctggaaat 180

gcactgactg gatctattcc aaaggagatg ggcaactctc ttaagttgca gggattaaac 240

ttggcgaata atcagctcaa tggccatatt ccaagaaagc tttggcttgt taggtagctt 300

ggtgaagcta aacttgacta agaacaagct tgatggaccg gttcctgctt ctcttgggaa 360

cttgaaagag cttacacaca tggacttgag ccttaacaac ctaagtggcg aacttcatca 420

gaactgtcta catggaaaaa cttgtcnggc ccc 453

<210> 13327
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-H7

<400> 13327

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tccattaatg ttggagctct cattgctgca actgttctcg tctggataca aatgaatgtt 120

ggttggggat ggggtttcgg tgttccaaca gtcgcgatgg ttatcgcggt ttgctttttc 180

ttcttcggaa gccgttttta cagacttcag agacctggag ggagtccact tactaggatc 240

tttcaggtta tagtagcggc ttttcggaag ataagtgtta aggttccaga ggacaagtct 300

ctgctctttg aaactgcaga tgatgagagt aacatcaaag gtanccggaa acttgtgcac 360

acagataact taaagttttt tgacaaggca gcggttgaga gtcaatctga tagcatcaaa 420

gacggggaag tcaatccatg gagac 445

<210> 13328
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-H8

<400> 13328

tcgaatcagt tgaactaatc ttagaagtga gaacaccgtt gcttccataa ttcccggtga 60

atcatttgtt gttcgatttc tccggcggag atggtgagtc cgacgagaga cgctatccaa 120

tcttacatga gcatcactgg cgcgtccgag tcactcgcga ttcagagact tgaggaacat 180

ggcaataatc tccctgaagc gatcaatgcc cactttagag atgtcgaaag aagcatttat 240

gatgactcaa gcttagacac tcgttcanac tacaatgttg tggaagataa caatcacgtt 300

cgtggtagcg agactaggcc agttaacgag tctangccaa tccctgggcg cacttccatc 360

tatactctcg gctgctcggg cttttaaacc gtccttgcnt cnanattcca attacagacg 420

ggata 425

<210> 13329
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-A1

<400> 13329

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aacccatnat tgaaagaagc tctttttttg cttacattga agttaaaaaa tcancacttg 120

ttttgttttt gnagaaacac acataaagtt tgtcttttta cttctcaaat ttggttgttt 180

tcactcaatt tcaatcttgc tttctgattc agattctggg ttttcttcag aattcccaga 240

gaaagttgtt ggaattgaat ttttcacntt tttggttcat aaaagttcta agtcattnta 300

ngatgaacat ggggcaaagg ggaacaagag caannccctа naattactta acctttgggg 360

tcaagaaccg attcccttgg ggaatggcaa tnaaaggaac aattgggaga attcccttgg 420

gagatnctgg aaacaacccc caaggngant tcaaccgttt aactcnaaaa a 471

<210> 13330
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-A10

<400> 13330

nctaccacat tgttgagaac aattcagcta aaccagttct cacttctcgg aactagcttg 60

ttaagaagga gaaggagtaa caacttctcc gtgaggtctt gtggaagcca aacaacgacg 120

acccatgaag ctaaacagtc ttctccaaca agggttgctc caaaaaacca caaaagcaac 180

caacttgatg agattctgag agattacgaa gctgtattgg gatagagact catgttcagc 240

tctctacatt gacaaaagcc ttttgtagtt gctctaacaa ttacggttct tatccaaaca 300

caagtatttg tcctgtttgt atgggtttgc ctggtgcttt gcctgttttg aattccaaag 360

ttgttgaatt tggtgttaga ttgggtttaa ctttgaantt gtgatttgtc cctaagtcta 420

aattcgtaag gaacaatatt tt 442

<210> 13331
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-A12

<400> 13331

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ttaggtttgg atccgaatgt gatcggactc ggagcctcca atggcacgcc tcgggtcggg 120

ttatttcgcc attcgaatcc aaagctcggt gaacagcttc tctacttcat cctctcttct 180

cttcgtggcc ctgctcagtc ttcaaaggat tttgataagg tttggccaat tttcgattcg 240

gctcaatctc gcgattttcg taaggttgtt caagcgatta taagcgagct tgaatcacaa 300

ggggcattac caaggagtaa ttcgagggtt tcatcactaa ccacttgctg tggaccaaga 360

tttgtggagc tcctgtggca actttcactg catgcgttaa gagaaattca taagcggaca 420

attnctgct 429

<210> 13332
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-A2

<400> 13332

gctaaaacaa gttggtgaca tgagtcggat atttactcgt agtcaaagat tgaatagtga 60

agccataatt gactttgtta aagccctctg caaagtttcc atggatgagt tacgatctcc 120

atctgatcca cgggtcttca gcctaacaaa gattgtggaa atagcgcact ataacatgaa 180

ccgcataaga cttgtctggt cgagcatctg gcatgtgctc tctgatttct ttgtgactat 240

tggctgttct gataacctct ccattgcaat ttttgcaatg gattctttgc gccagctgtc 300

tatgaagttc ttaaagcggg aagagttggc gaattataac ttccaaaatg aatttatgaa 360

gccttttgtt gttgtcatgc gcaaaagtgg tgctgttgag atnagggaat tgattatacg 420

atgtgtctca caaatgggtt tatcccgtgt tgg 453

<210> 13333
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-A4

<400> 13333

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cttcgttgag gtcactaatg gcctctcact ctcctcctct tgatgctttg gttgttcctt 120

ccgaagacta tcaccagagc gagtatgttt ctgcacgaga caaacgccgt gagttcgtgt 180

ctggattcag tggaagtgca ggtttggcac ttatcacgaa gaaggaagca agactttgga 240

cagatggtcg atacttcttg caagcattgc aacagcttag cgatgagtgg acactaatgc 300

ggatgggaga agatcctctt gttgaagttt ggatgtctga taatctacct gaagaagnaa 360

atataggtgt tgattcatgg ngtgtctcgg taaacactgc gaatagatgg gggaaatcgt 420

ttgcaaagaa gaatcaagaa actaa 445

<210> 13334
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-A5

<400> 13334

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cgcgtgggcg gacgcgtggg cggacgcgtg gggtttgtga aagggagaga gaaatggagg 120

aaggtctaaa gattcaatct ttggtcattt atccgatcaa atcttgccgt ggaatctctg 180

ttcctcaggc taccgttact catactggtt ttcagtggga ccggtattgg ttagttgtta 240

actatnaagg aagagcatac actcaaagag ttgagccaac ccttgctctt gttgaatcgg 300

agttgcctaa ngaagccttc ttggaagatt gggaaccaac anatgactca ttgttggtga 360

taagaactcc tggtatgant ccgttaaaga taccgttgac tangncaagc tcggtaacan 420

aaggtgtgtc catgtnggaa tggtctggct ctgcctttga tgaaagngaa aaaactgcca 480

aatgggtttc aagattaacc tgggaa 506

<210> 13335
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-034-Q1-E1-A7

<400> 13335

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ctctgttttt gtttttaccg tagatcgttt cgagtctctt taatctttgg cgggttccgt 60

aaaaaaaaaa atggcctctt ctagattcca atctgggttt tgtcctatct cttcgtgtcc 120

ctctcttgag aatttcatcg aaaggattaa agacgcatgt cgtttcaccc tctccgctgt 180

tctagggaca attctctcgg cggtcttgac tttcttcttc gctttagtgg gcacattgct 240

tggagcactt actgggagct ttgataggcc aagaaaccga aagtgggttt atccgaggag 300

cggcggttgg agccatttcg ggagctgttt tctctatcga agtctttgag tcatctcttg 360

ttctttggaa atctaatgag tcacgttttg gatgtctctc tacttgattg atgtcattgg 420

taatccgata aagtgggtag act 443

<210> 13336
<211> 89
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-A9

<400> 13336

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ttctgatatc atcttcacgg tgaaagatg 89

<210> 13337
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-B1

<400> 13337

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attacaatgg cttcttctat cttcttcttc ttccttatct tcctctccgt cgtctccgcc 120

gtcaaactac ctctctctcc cttctcccac tccgaccaat caccaaaaga cccttacctc 180

tctctccgtc gtctcgctga atcctcaatc gctagagctc ataaactcaa acacggnacc 240

tcaataaaac ccgacgaaga tgctctctcc tccaacanca ccgcatccgc caacgtcgtg 300

aaatctcctc tctctgctaa aaagctacgg ngggtactca agtctctctc agctttggna 360

naacgtcgca aacaatccca ttcgtttttg ataacgggaa gaagtctcgt tttggntacc 420

ttgtactcaa gatatctctg ctcccgggtt gcgaat 456

<210> 13338
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-B10

<400> 13338

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gataacgagc aattgttttt tttcagattt gatcctgaat ttttacattt tttttttgc 120

aatctccccc taatctgttg tttctcgctt cttcttctgt taatcatctg tctttcaaaa 180

agaaagaaaa aagaaaaatt cgatttctgg gtttgttttt gtcatacaga aaaaaatcaa 240

gcttatgaat ttgtgtttaa ttttttgttt taatttgaaa ggcaggtttt ttcagaacga 300

gatcgttttt tcaaatttct tctgatttta cctcnttttt tcttcttaga ttttaagtga 360

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caaancctt tanattcaat t 441

<210> 13339
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-B2

<400> 13339

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taatctccag ctaaccaccg atgaagcgaa caatcaacga agtcgtcgga tctacctccg 120

tcaatactct cgattcctcc attgctaaga agcctgtctt cctcaccaaa aaacagcggg 180

aagagttagc cctaaaacgc cgccaggatc aaatctccga gcaacgtgtc cgtcgtgagc 240

aacttggtcg ccccgagccc gagacggaag atgtctccaa tggagatacc aatcgggata 300

aggatcgaga tagagatcgg gaccgagacc gagaacgtga ccgagatang gagagagata 360

gagggcgaga tngaaaacgc gataaggata gagacaggga taaggataga gaacgagaga 420

gaaaacgtna gcgtgancgt cgtgaaagaa nattcgt 457

<210> 13340
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-B3

<400> 13340

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tctctcatga agcaaatggt atcagtctca tcgcctctat gcatctgctg acctcttccc 180

tggacctctt ctgttataat taccaattct ttctctagta ccgaattgct ttattcggcc 240

tagagaggct caaaaagcag caagatgaag ctaaagctan gtttggacac attgagggag 300

atnacctcac attgttgaat gtctaacang ctttcaaagc aaaacaatga ggnttcaaat 360

tggtgctaan gaaacttnaa tcaacaatag aagcgatgaa aatctgcaag acaatgttaa 420

gacaacaagt aanccgggat natgtcaaga t 451

<210> 13341
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-H4

<400> 13341

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acgagagaga gttttttcgt tcttgtgcgg tggacagaat gatggggctg gaaggcttct 180

tcttgttggt catgaccttа ggcatgatat gagttgcttg aagcttgaat accctagcca 240

tttgttgagg taactaactg acccgttttt gttgactctt tgcttgaaat ctaatgtaat 300

tgctatgctt cacctcagag acacagcaaa atacgtgccg ttgatgaaga caaatcttgt 360

aagccaatcg ctcaagtacc tcacaaagtc atatctcgga tacaanatnc agtgcgggaa 420

gcacgangtt tacgaagact gtgtatccgc gatgagactg tacaagagaa tgcgggatna 480

agagcatgtt tgtagtgnna aagcaagnaa ggaatgg 517

<210> 13342
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-F12

<400> 13342

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tccttctatc tccctaaaac ttaactctct ctctttctct tttggttatc gtcccaagcc 180

actccggttt tctaaaatcc gatcttctct gccctcggaa tctgaatcgg aatccgacct 240

agatgcgtct gcagttacag atgaatgggg tgagaaacct ggagatgcan atgagcccga 300

ctctcagcca gataatgtga ccgtgaatgt gattanggac gantgggggc gagaaatccg 360

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agggaacgaa anaaccaatt gggggaangg agaaaatttg g 461

<210> 13343
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-F4

<400> 13343

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tttagaatca ctaaaagcga cgtttactcg agattaagca taagctcctc aggattgtta 180

caaagattca cttggattga gacagcacag aattggaacc aattctggta cgcaccaaaa 240

gaccaatgtg atgagtacaa agagtgtggt gtttacggtt attgcgactc gaacacttca 300

cctgtttgta attgtattaa agggtttaag ccgaggaatc ctcaagtgtg gggattgaga 360

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gtgcggttga agaaaatgaa attgcccgga tactacc 457

<210> 13344
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-F5

<400> 13344

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ggaagtcctg taacagaaaa gatgaagatt tttgctgctt tgaatgggtt agggcgagag 180

tatgagccta tcaaaaccac tattgaaaac tccatggatg ctctgcctgg tcctagtcta 240

gaggatgtta ttcctaagct tacaggctat gacgatcgac ttcanggtta tcttgaagag 300

acagcagttt cacctcatgt cgccttcaac atcaacactt caaatgactc caatgcttct 360

gggtacttca atgcttacaa tcctggcaaa gggaaatcta acagangcag aaactcantt 420

agtactcntg gtccgtgg 438

<210> 13345
<211> 527
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-F6

<400> 13345

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acccacgcgt ccgggganaac gtggaagaag aagccatgga ctctatcgtc tccagttcga 120

cgattcttat gcgatcatat ctcactcctc cggttcgttc atgttctccg gcaacctccg 180

tttccgtcaa acctctgagc tcagtccagg tcacctccgt cgcggctaac cgccacctgc 240

tttcgttaag ctccggtgct agaagaacca gaaaaagctc tagttcggtg ataagatgcg 300

gcggaatcaa agagattgga gagagtgagt tttcgagtac ggttctcgaa tcagcccagc 360

cggttttggt tgaattcgtc gctacttggt gcggtccctg caaattgatc tatccagcta 420

tggaaagcct tatctcaagg aatatggtga caaattgacg attgtaaaga ttgatcacga 480

cgctaatcca aagttaataa cggagttcaa gggttatggt ttaccgc 527

<210> 13346
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-033-Q1-E1-F7

<400> 13346

cccgcaaatc tcaaccatcc accaccacaa ccaccgcacc atcttcctcc tccgccgcct 60

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tcggtctctc ttaaaacact ccatggaagt cgaagtcaag ctccgtctcc taaccgccgc 180

tgctcatctc cgtctcacca ctctcctcac tccataccac ctcaaaaccc ttcaccaacg 240

caacaccttc ttcgacacac ccaaaaacga cctctctctc cgccgcgccg tcctccgtct 300

ccgcttcctt caaaacgccg ccgtttccgc ggcttctcct tctccgccgc gttgtatcgt 360

ctctcttaaa gcgaagcaac tctaagctaa tgggattagt cgtgtggagg aagatgaaga 420

ggagattgag tattggattg gta 443

<210> 13347
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-F8

<400> 13347

tactcgccac gatccgtctt tggagaccaa tttatggagc cgccgaaggg agataccgta 60

gtgaagactg aggtcccggt gaaggatcca tcgctaagcg tcgtcgattc gaaaacgaag 120

ggagtcgagg atgcgaacac tgagatagcc ttgtccgatg aggttgaaat cgagacgaag 180

ggaagcgatt cgacaccggt gaaagctccg agtcgaacat cgtctggatc gaagaaatct 240

gtacattgga gccccgaatt ggtgtctgga tctcaggaac cggatcagaa agctgcatcg 300

tcttcttcgg ctggatctaa tccgtatatt gctcgttctc cagctgagac ttcagatgct 360

tcgttgaaag atacgatgga gactgtgaaa ggantgcttg gtagatgggg aaaganggtt 420

gcagaancag caaagaaga 439

<210> 13348
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-G10

<400> 13348

ataagctttt tttcgtttat caatcttctc gattcagcca caattcttgt ttctcagata 60

attcatctcc tttctttgat tcgtttcctt ctcttctgtc actcagatct agatctagat 120

ctaggttttt ttctttctca tcggaaattt ggcttagagg cttgttttga tctagggttt 180

ggtttttggg aattttgaaa aaaaaacaaa attaggaatg aatctatgag ctactcaatc 240

ctgtttcgtc ggattcgaat tctacactct ttctccgtcg tttaactcct actacaccta 300

cgttttctca aggaagtaat cgttcncgat ttcantttтc cgtttttgat caaacttaat 360

ccttgataan atttaagaaa tcggggaatt tcaanatggg gttttgggaa angntttana 420

nggnaaaaac nncna 435

<210> 13349
<211> 65
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-G12

<400> 13349

cnacaattag ttcgataatt gtanatatcg aaggcaaagg agactacact tcggttcaaa 60

agcnc 65

<210> 13350
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-G3

<400> 13350

tgggtcacac agtttggcga gaaaccggag aaaggtcggt atcgctatgc tggtcaatgg 60

aagcacagtc gaatgcatgg gtgtggtgtc tatgaagtta acgaacgcat cctatatggt 120

agattctact ttggggagct attggaggag gagcatggct gtaccgtaga tatttgtgcg 180

ctgcattctg gtttggcgga ggtggctgca gctaaggctc gaatgtttgt aaacaaaccc 240

gacggaagta ttgccccttt tctttaccac ttcttctgtt tggttctgtg tattaagtat 300

aaaccaagac atattttagg gatttgtttg attcctttag atnagtgcaa gaccctctct 360

agtaaccatc attctgtttc aaatatatat ttcgcttttc tttcaagcaa tgtccaacnt 420

atgaaagtga ggaanaaaac tggtc 445

<210> 13351
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-G4

<400> 13351

accctagaat tcgcctcctc tttccaaaat tcccaatttt tgtaatgacg ggatagaaaa 60

attcccaatg tccgctttat ctttcattct cgattagaat tcttcaacca aaggtcactc 120

tctctccgtt ccattgcttc tggatttcgt ttttaagggt tttacatttt tcctgccttc 180

ttttacccat cagaggaagt ttcaagccat tttgttaatc agctctctca taagctaaga 240

tgtcgtcatc gccttttcca gtcttgggac aaccgaccaa ttgataagtg gaaggttacg 300

gaattgaaag aagagcttaa aagacggaga ctaacaacaa gaggcttgaa ggaggaattg 360

gttaggcgtc ttgatgaagc acttcgtgct gagcaagaag agtctgaaag gatnaatagt 420

gctactgttg ctgctgctga aaaagc 446

<210> 13352
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-G5

<400> 13352

gtttaaatct aaagtaacat acacaaggca taggataaca gaggcatact tgtggtcact 60

tggaacatat ttcgagcctc aatattctca agcacgagtt ataaccacta tggcactaat 120

cttattcaca gcgcttgatg atatgtatga tgcatatggc acaatggagg aacttgagct 180

tttcactgat gcaatggatg agtatagcat ttgtaacata taatttaggg agtattataa 240

agggtaaggt tgatttttt tttgatggtt ttgacttctc tctaacgtag gtggcttccc 300

gttgttcctg atgagatacc gatacccgat agcatgaagt tcatttacaa tgtgacngta 360

gaattctatg ataaactcga cnaggacttg agaanagaag gaagggtcan ggtgcggttt 420

caaccttaag aaatc 435

<210> 13353
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-G8

<400> 13353

gcgaagttag atctacaggc tataagtcga cgagacaaca caaacaagct tatgataaaa 60

tcaaactaca tttggaagct gancaggcca agagtagcaa agaagcctgc aaaaccacgc 120

aagatgcaga gcacatggct attcgctatc tcggtttaag agcatattca gcagctgacc 180

tgaagaagaa gctcatagga aagaaatatc ctattgaagt cgttgacaaa gtgatcgatg 240

atttccagat tcgaggtttt gtcaatgata gcttgtacgc ggagtcattc actcgatcta 300

ngatggtcnt ccttaagttg gggaccaagg cgggttnaaa caancattgn ttaaagaaag 360

gcataancan caanngactc agnngacggn cataaagcct ggtttttgag aanacgccaa 420

tgcaatgang ggagatgaa 439

<210> 13354
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-G9

<400> 13354

agttaggcgt gcatctgctc atatcattgt cctctccagc tattcgcctt ttgtgaagta 60

taccccgcaa tggcactggc ttagtgaana gcttacaaga gttgataggg agaaancacc 120

ttggntaatt gttttgatgc acgtcccaat atacaacagt aatgaagcac atttcatgga 180

gggtgaaagc atgcgagcag cttttgagga gtggtttgtc caacacaaag ttgatgtaat 240

ctttgctggg catgttcatg cctacgagag atcgtaccga atatcaaatg tgcggtataa 300

cgtgtcaagc ggagatcgtt acccagttcc angataagtc agcgcctgtt tatatcacan 360

ttgganacgg aggaaatcaa gaaagtctgg ctggaaggtt aacggancac agccagataa 420

tctgcatttc cggaaantac ctatggc 447

<210> 13355
<211> 125
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-H11

<400> 13355

gctggnttta ccgaatcacc cttaacaacg gttatgaana cagtcttctc tctcttctct 60

tctctcgccg atcaagtaat ctcacactta nacacttcaa gggatccagg gtcgangccn 120

ggtcc 125

<210> 13356
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-H3

<400> 13356

aaatcaaaga gagacgattc gatcgcatca atggcagaag aaaagagctt caagtatgtg 60

atcgtcggag gtggtgtcgc cgccggatac gcggcgagag agttcttcaa ccaaggtgtc 120

aagcctggtg aacttgctat catttccagg gaacaagttc ctccatatga gcgtcctgca 180

cttagcaagg gatatatcca cctcgaaaat aaagctacac ttccgaattt ctatgttgct 240

gctggaattg ggggagagag acagttccct caatggtaca aagagaaagg tattgagctg 300

attttgggca canagattgt caaaagcaga tnttgctgcg aaagacactt tgtcaatggg 360

gactgggaca aagtccttca aagttaccaa aacttttgcc taanctgcaa actgggttcc 420

ntccggtcaa taaangggtt gtcaagaatt tttgggcgtc cccaaaggtt gcaanaatgc 480

cnaa 484

<210> 13357
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-F11

<400> 13357

gttttaactt ttaaaggata agagaagagt agctttcttc ttcttcctct cggctactgc 60

gacagagaag aagctgcgaa ctttaaatgt cacaggctgt aattttcaag ccgtttgttt 120

cagttccatc aagtaatcac agccagagga aactacagaa caatattatc aatgttggtg 180

ttaaaatcca aaaccgattc agagttgttt gtatgggaat gttggctcca aggaaattcc 240

tgnaaaagag gnggaaaatg gaggttttca agggntgcaa ctgacganac gggttagaag 300

agatggagaa ggcttatgct agaaattgaa tcnaccgggt tctgcngttc cggtgcntaa 360

gcaatacaaa actgaccggt gaccaangnc ctccaanggg attnttgttt tgggtacttt 420

gggtaaaatt taagcaacct taagaaatgg ggacc 455

<210> 13358
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-C8

<400> 13358

catcaatggc aagtctttgt ttccaatctc cttccaaacc catttcctat ttccaaccca 60

aatccaatcc atcgccaccg ttattcgcca aagtctccgt ctttcgatgc agagcttccg 120

tacaaaccct cgtcgccgtt gagccggagc cagttttcgt ctccgtcaag acttttgcgc 180

cagccaccgt cgctaatttg ggaccagggt ttgatttctt aggatgtgcc gtcgatggtc 240

tcggagacca tgtgactctc cgtgtagatc cctctgtacg agccggtgag gtctcaatct 300

cggagatcac cggaaccaca acaaaactca gcacgaaccc tctccggaac tgcgccggga 360

atcgctgcta atgctacgat gaaagatgtt aagggatnaa gattcgttgg tttaacatta 420

agatttgcat aaangg 436

<210> 13359
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-C9

<400> 13359

atttcaccgc ccttctcata gcagctctcg ccgatcctgt gtaatcggga atcggtaatc 60

gtcagggtct gtttggggta cggcgacgcg attttctgat tattagggtt taagatctcg 120

aggttgagga gagcttgaaa agttgtttgt caacatggag cgcaagacta ttgacttgga 180

gcaaggatgg gactatatgc agactggaat tactaagctg aaacggattc tggaaggatt 240

gaatgagcca gcatttgact ctgagcaata tatgatgctt tatacgacta tctacaacat 300

gtgcacccag aaacctcctc atgattactc acagcagctt tatgacaaag tatcgggaag 360

catttgangg atatattaac tcaacaattt ttccctgcgt ttaagggaga agcatgataa 420

nttaagcctg cgggaagcaa tttaaaagat ggc 453

<210> 13360
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-D1

<400> 13360

gaaaataaat agatagtcat aactagtgta ttacaaaaaa aaaataaagt aaataaaagt 60

aatcactagc tagtgactaa actaaatccc aattatgggt cgtgtacatt ttggtgtatc 120

agcattcttt gttttttgtt tgttaggttt atcagctaat gcaaagatct tcaatattaa 180

ttctcctcca ggttctgata tcactaacgc attgttgaaa gcattcaatg aggcatgcca 240

attcccgaca aagagcaccg ttatgatccc aaaaggtgaa tacaagcttg gggagatcgt 300

gatgatgggg tccatgcaaa gctccctata aggattgctc ctcctnngta cccgtgaaag 360

ctgaccgtaa cgctaatggg aaanggaaaa tgggtcgctt tccgcaacat taatngggtt 420

taagtttaac cggacgtggt tgtttcgacg gtgaanggaa 460

<210> 13361
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-D11

<400> 13361

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tcntttggnc cccaatatta agtgaaatat gggtttcata atggaattcn cggagaattt 120

ggggttaang ntaatggnag aatccaaagg aacgaagaca agaaagcgag ggaacacata 180

tatgagatgc atganaggtg caaagaagat taaggagatg tgggcattgc ctantcgtcc 240

ttatggattc tggacatttg agcgtcacaa tgctcaactt ccgttgggat cctcaaatca 300

gtcangttgc tggtccaaag gattcttaat gatgatcttc ccnaagacaa ctacactcct 360

ccttcntcct cctcctcatc ctcaagacta atccaaacaa tggaaagaag atgtgttaat 420

gccgtccngg atnggatgca agttttggtt tcaaaccaat ttttcnccgg aatttgtccg 480

ccttccggtt tccaaatttn gtctnaaggn gtccngg 517

<210> 13362
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-D12

<400> 13362

tgaatttctc ctgctaactc ttgagctccc caaaggcggc tacatcggtt ttgtcacctc 60

tactcgctca cttttctccg tccaattttg cagcttttga agatcaagag gtgaacattc 120

ggagtgatga atcggccaaa ggttcagcgt cgtgttggaa agtatgaggt tggaaagacg 180

cttggacaag gcacttttgc gaaagttcgg tgtgctgtta atactgagac aggagaacgc 240

gtggctctca aaatacttga taaggagaag gttcttaagc ataagatggc tgaacagata 300

aggagagaaa ttttgtacta tgaaactgat aaaaccatcc aaatgttant gccggctgta 360

tgaaggtttt ggcgancaag actaagatat aaaatggttc aagagttcgg nacnggtgga 420

naacttttg acaaa 435

<210> 13363
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-033-Q1-E1-D3

<400> 13363

agataataaa tgcgaggacg taactggtaa aatcacgaaa ctgcctgatt caccttcact 60

attcagagtg tttccttata aatatctatc acacggcgca aaacgaaacg ctcaagccct 120

caagtttatc ttcctcagcc gtgtagttca aatcccggca caaaactctg tcgtcgcttc 180

cccgagaaaa ggggtcacac ttaaacttgt cgaaaccaaa caacaatgga agatgacaag 240

gatatataca caaaagatgg aactcttgac attcacaaga aaccagccaa caagaataaa 300

actggaacct ggaaagcttg cagattcatt cttggaactg agtgctgtga aagattagct 360

tactatggaa tgagtactaa tctcatcaac tatctcgaga aacaaatgaa tatggaaaac 420

gtctctgctt ctaagaatgt caagtaactg ggt 453

<210> 13364
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-D4

<400> 13364

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ggtataaact cgattaatga tccttcgttt ctttctcgat ctgttgctgt ttccggaatc 120

ggaaagctac accaagctta tggtttttgg aaatggggag ctttgattat cgcatttcta 180

gcttatttca ccaactttgt tagtaaactc aacagtctag ttgttaggtt aagaaaaata 240

gatgtctctg tttcctctcc aactcttttt gatgattacg atagcgattc cgatgtttct 300

tgttcctcta ccgtctcctc tgacgatgaa aaagacgaag aagatgaggc tgaatgatga 360

aagatgaggg atgttgactc catctttaat cgaagacnat caacggangt ttccgcgtta 420

gaggatctga taatacgaat gatgatgag 449

<210> 13365
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-D7

<400> 13365

ttctcgatca cttgctaaaa tcaaaatttt aggcgggaat tcgataccca agcccaagac 60

ccaaacactt ccccccctcac gtttcgctgc tttcgttagc tagctttctc aaacgagatc 120

tgggcttgtc gaaagaaacg tgatatatat gcagtgagcc agtgatcatg caaaagaaat 180

tcagagtgcg atagagaaga tggagcctga acgtttaaaa tttggaggtc caagagagtt 240

gtgcggtgct gcggatctta tatctcaatt caaactagtg caacaccatg aattcttttg 300

caagaaatct cttcctgttt ctttatcaga ttcccattat cttcataatg tggttgggga 360

cacaagagat nagaaaanga gaangaatgc aattagatna gcttaatgga gagcatatca 420

caagagcccg ggagactaat antcgcatcc 450

<210> 13366
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-D8

<400> 13366

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cccctccgta caatgccggg atcgtacggc tggccgttgg ntggnccatt ancggaccgt 180

ttagattcca aggacccgan aagtttttcc ggacaagagc tgagaagtat aagagcactg 240

tgttccgtac aaatattcct ccgacgtttc ctttcttcgg caacgttaac nctaacatcg 300

tcgccgttcn tgacgtcaan tcttttagcc atctttttga catggatcta gttgataaaa 360

gattgttctc atcggagact ccggcctagc nttgggttct acggatgcgt tcgtgttgga 420

gttatctc 428

<210> 13367
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-D9

<400> 13367

ntctcttccg tcaatatgga aggcgtcacc gtcgtgtctt tcttccttct tttcatcgcc 60

accgccatgg ccgccaagtc caccgtctcc ttccgtgacg gcatgttacc aaacggagac 120

ttcgagctag gaccaaaacc atcagacatg aaaggaacag aaatactaaa caaactagca 180

ataccaaact gggaagtcac aggattcgtc gaatacatta aatcaggaca taaacaagga 240

gacatgcttc tcgttgttcc cgccggtaaa ttcgctgtaa gacttgggaa cgaagcatcg 300

atcaaacaaa gacttaaagt ggtaaaggaa tgtattactc actcaacttt tagtgctgct 360

anaaattgtg cacaaagacg agaagactta acatatctgt nacaactgan tcccgtgtga 420

atccgaatca aacggttaaa anaataangg gt 452

<210> 13368
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-033-Q1-E1-E12

<400> 13368

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ttctcttcaa gaggaccaaa ttttctgtct ttggagatct tgaaaccaga cttgttggct 120

ccaggagtga atattcttgc agcttggact ggagacatgg caccatcgag tttatcatct 180

gatccaagga gggttaagtt caatatactg tctggaactt caatgtcatg tcctcatgta 240

agtggtgtag ctgctttgat caaatcaagg catccagatt ggagtcctgc agcaatcaaa 300

tcagctctca tgacaactgc ttatgttcat gacaacatgt ttaagcctct tacggatgca 360

tcaggagcag ctccttcatc gccttatgat cacggtgcaa gacatataga ttctttaaga 420

gctacaagat cctggtt 437

<210> 13369
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-E5

<400> 13369

gctcgaatag aaacggatag ttggggtaga atcgctttta cacttctggg atttgttggt 60

tctgctcttc ttgtattcgc attttctttg tcatgtattc tgtgatactc catggaagaa 120

ggttggtaca gttgcagaaa tggcgtcatt tgagatttgt tgtgcaaaat ggatcagctt 180

tttctaattc ctattcttct gctagtgcta ctgatttgag ctcaagagat ggtcgaaaag 240

tgaagaactt tactgtctct tacctcgttg attcattggg tttagctaca aaactcgctg 300

aatcaatctc aaagaaagtc agtttcgtga acaagggcaa tcctgattta gttctgagtc 360

tttttagaag ttatggggtt cacaaaattc tcaagatctc cagcatcaat tacggattaa 420

cctagattgc ttctaataaa ang 443

<210> 13370
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-E6

<400> 13370

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tctctacttc ttggataaaa tggcgtcaac tttcactgcc acatcttcta ttggttcaat 120

ggttgctccg aatggtcaca aatctgataa gaaacttatc agcaagttgt cttcaagctc 180

atttggaagg agacaaagtg tgtgtcctag acccagaaga tccagttctg caattgtgtg 240

cgcagcaaag gaattacatt tcaacaaaga tgggactacc attaggagac ttcaagctgg 300

tgtcaacaag ctcgcagatc ttgttggtgt tacacttgga cccaaaggac gaaatgttgt 360

tcttgagagc aagtatggat naccacgaat tgttaatgat ggtgtgactg ttgcaaagag 420

angttgagtt ggaagacccg gttgaga 447

<210> 13371
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-F1

<400> 13371

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ttatcttgtc cgatggttca aacagaaacc gatcaaagga tgggtcttaa tctgaatttg 120

tctatctact ctttaccaaa acccttatct caatttctcg atgaagtgtc gaggatcaaa 180

gacaatcatt ccaaactgtc tgaaatcgat ggttatgtcg gaaaattaga ggaagaaagg 240

aacaaaatcg atgtttttaa acgagaactc cctttatgca tgctcttatt gaacgaagcg 300

attggggcgt tgaaggatga ggctagaaaa gggttatcac tgatggcatc taatgggaaa 360

ttcgatgatg ttgaaaaggn aaaaccggaa actgataaga agagctggat gaactctgcc 420

cagttatgga tttcgaancc taantccaa 449

<210> 13372
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-C7

<400> 13372

gtttctcaag gaaaaatttc aactttcttt cttatttcag taaacgagag atatgttttc 60

aatctcaatc tgattctttc tcgcagcggc taattctagt gtcgctaata gggtctctgt 120

ttcttcaaat ttagttcttt aaattcacta cgaagatttt tgttatggcg agtagaaagc 180

tggttcgaga tttactgatc acaaagcagc ctcttctcca gcaattggtg caccaacgga 240

gagtgggcgc aagactaggt cttcttcagg gaaatgggtt tgcgagtcat cgacggttta 300

gtgttttcaa gtgagttctc gaagaagatt agaggagaag ctgatagcaa tcctgaattt 360

caaaagacag tgaangagtt caaggaaaga gcagangaat tgcaaggtgt taaagaggac 420

ttgaaagtta gaacgaaaca aact 444

<210> 13373
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-B12

<400> 13373

aagaagaata agagaaatcg attcgtggtt ttgggaaaat tcaatggcgg tttctactgt 60

atcgtcgttt ctattgccat ctttcggcat tccaagctct tcgccttctt ctaccagact 120

caaagtctct ctgctgcctt catcttctac ccatggcggc cntagttcct gcgtccttac 180

aaaancatcc gtctcgctta cgaangtctt cgctgttccc gataccctat gatccaactc 240

cagaaattct cgatgaaccc gcctctggaa gttccgagct ctcanccatc agtgtagacg 300

cngataaaga tggcgccaaa gcaaaanatt aagatnaagc ctaaatnata ctgggtgcct 360

cctaatgacg actcatgcaa ncanatacat tgatgctgca aaaacncnat ncaaaaacga 420

<210> 13374
<211> 530
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-B3

<400> 13374

nnngnnnnaa ctggttcntc tgcgtgnccg tccggaatca anggtcgacc cacgcgtccg 60

caaacactan tctcttctga tttgtaccct aacgtttact cgacttatct aaagccgtga 120

acctcgccgg aattcttaaa gtcgcgattt ttccttaacg ccgtttgatt cccttacggc 180

ctttgaggtc caggagatag caaatttgtt ggtgagtact gaaaaatgga ggaagagaac 240

gaagtagtga agacgtttgc agagcttggt gtgcgtgagg agcttgttaa agcttgcgag 300

agattgggat ggaagaaccc ttccaaaatt caagccgaag cccttccttt tgctcttgaa 360

nggaaagatg taattggact tgcgcaaacc ggttctggta aaaccggagc ntttgcaatt 420

cctatattgc aaagcactac ttgagtatgt ttaanaatcc tgaacctaaa gaaaaggacg 480

tagaccggat tctgcttcct ccgcctgggg ttttaacccc aactccaaaa 530

<210> 13375
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-B6

<400> 13375

tggaaatgag agacgaaatg aagaacaaag gtgtcaaact cgatattcca gcctatggtg 60

ctcttatcga tgggttctgc aaaaggagta acatggaaag cgcatctgct ctgttctctg 120

aactccttga agaaggattg aatccaagcc aacctatata caacagcttg atttctggat 180

ttcgtaatct gggaaacatg gtagcagccc ttgatttgta caagaaaatg ttgaaagacg 240

gtctacgatg tgatctgggt acatatacaa cactgattga tggattgttg aaagatggga 300

aatttgatcc tggncctctg agttgtacac agaaatgcaa ggcnggtggg tcttgtccct 360

gatgaaatca tttacacagt aattgtaaac ggtcttanca agaaggggca ttttgtaaaa 420

ntggttaana tgtttgag 438

<210> 13376
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-B9

<400> 13376

tcaccttatc caaaatcntn nccgnnannc cnaaacaacn gtctcgggnc tgtctcttcc 60

tcagaccctt ttgcttctcc gcttcagtct ctcaatccaa tcaccgtaac aagcctcgat 120

ttcaatcatt ctcctcaaag ccgcttcctt gtcattctgc ttcactcgta gtgaaatcct 180

tctcttccat cgatgaacca gatctcgaag aagacgaaga gagcgaggat gaagatttca 240

gcgcagaaga atacgaatac gaagacgaag aaagaagaag atgancanga cantggagtg 300

gtgggttccc gagagangaa ttgaagattc ggaaacatct gangaagttt cggaaatagg 360

gagataaaga ggngaaaaca gagaatacga agaagaanaa nagtcna 407

<210> 13377
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-C1

<400> 13377

ctctccaatg gcttccttat ccttcgtttc ctcttctcac cttacgctac gcactccttc 60

tattgcccta cgcagcactg gctcttctcc tcgaacctcc gtttcattct ccgtcaaggc 120

tcaatccgtc gcgctttcac aggacgattt gaagaagctc gcggcggaga aagctgtgga 180

ggcaattaaa cctgggatgg ttctagggct cggaaccgga tccaccgcag ctttcgctgt 240

tgatcagatc gggaaactac tctcttccgg tgaactctac gatattgtcg gtatcccaac 300

gtcgaaacga acggaggaac aaagcacggt cgttaaggaa tcctcntgtt gggttaagat 360

acacatcccg anaaatcgat ttcgcctaat tgacnggaca aaacgaaggt aagattcgna 420

accttgatta atcaaaaggt ccttggaagg tgctccttcc ccgtttana 469

<210> 13378
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-C2

<400> 13378

tgcttccgtg aattctgaat aaaaagatca tgaagctcac aagcttgagc aggaatgcta 60

attccacagc aacagcagta actgtatctt caatacanaa actcccgttt ctgtcnctgt 120

ctgaaacttt gccttgtcng aagagttcga gaaaacccac gtttcttcct ttaagatgta 180

tacggagacc aaagttggat ttgctctggg gaaaatttag agttcgtgca tcagatgctg 240

gtgttggatc tgggagttat agtggtggac aagangatgg atctcagagt agttctcttg 300

atcagtctcc tgccacttca tcagnaagct taaaacctcg aaggccattt cccttancnt 360

tgtcaatanc gcttgtacta ctgagttgtg gtttggtagt tccccnanca cttttgtgaa 420

aggaggacca cntcatt 437

<210> 13379
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-C3

<400> 13379

agttttgagt ctcttgggat tctgaacgtg ggatctgggg atttgaatag ttacactttt 60

ttgtttatga aaaaacatac gatgaagtct ggtgtgatca taaccattgc tctgttatta 120

tacacaagct ttcttcttgt ttgtctggcg aaagagtgta cagacattcc tacgaagctc 180

tcatcgcata ctctccgcag cgagcttctg caatcacaga acgcaaattt gaagtcagag 240

gagttctctc attaccattt aactccaact gatgactctg cttggtctac tttgttgcca 300

anggaagatg ttgaaaagaa gagactgatg aattttgctt gggactatgt tgtatagaaa 360

gttcaangga ctctaaatcc tcctggtaac ttcccaaagg atgtcncctt tgcacgaacg 420

tttaggctgg accnaantcc tttcaattgg gagggctcaa caaacaaaac cttg 474

<210> 13380
<211> 91
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-C4

<400> 13380

tcacggggcc aaggactaca nggtctatca tctcnaactg ctgcttacta tcaacagggt 60

gcgcgtttcg ccaaatggcg tactgtcntg a 91

<210> 13381
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-C6

<400> 13381

gttcaaactc ttttttttt ttttgtttga tccaaatttt aacaaaatta tggatcgcaa 60

tttcctccta acagttacat tgatctgcat tgtcgtcgcc ggtgtcggtg gccaatctcc 120

tatctcttct ccgaccaaat ctcccaccac tccttctgct ccaactactt cccctactaa 180

atccccccgcc gttacttctc ccactacggc tccggcgaaa actccaactg cttcggcttc 240

ttcaccggtt gagtcaccaa aatctccggc tcctgttagc gagtcgtctc caccaccgac 300

acctgttcca gagagctctc ctccggttcc tgcaccaatg gnttcttctc cagtgagctc 360

tcaaccggtt caagcaccag tagctgattc tcctcaagct ccggtaaccg ctccggttgc 420

tgagtaccgg ntccngctca 440

<210> 13382
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-C7

<400> 13382

nttgtctatg gagtctgcga tgagaaatca gcttggcctt acaggaaaga gagggaaaat 60

tcagaagaag tctacttcgg tctgaaaacc ggacaaggtc ttttggagtt caagtgcaag 120

agcaagattc acaagcagag atgggttgat ggggttcagt ctcttctccg ccaagtaaat 180

tgctttgagg ctgccaaatg ctcgctggga tctctgaatc tcactggtca cacgtgatgc 240

aggatcctgt atatatttga ttatattcat atatataata tccaaatttt tgctgttgtg 300

aggtatttgc aaaacctggc aatgtaacct cagaagactt ttggataaaa caaagcaggt 360

tgttcaattg atcacaacaa tgttagganc attgcatgta cagaangctc agagatgatg 420

aacccaattg aacttttaat tcaaaaaaaa 450

<210> 13383
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-D1

<400> 13383

tggtatccac tatccacaac tggggtcagc ttctggttct ctctctcggt aactttctga 60

gctgaagaac cctaattctt atcttcaccg gattccgggt atagggcttt gtaaagttgt 120

tgaatttaca aagaaagata tgctggtttg tctgggtttt gtagaagaat ctgtgttgtt 180

gctttgagat taaagtccga acaatgttgg gtttgattca tgtccttgat gagctcgtca 240

atggtcttat gccactgctt atcattcagt agtcaaaacc cagatcctga atcatcatca 300

tcttctcttc ttcgttataa gccttgtgat tccaatttcg ttgtggggta agagaaagga 360

anaacctttg gaaatttgtt ccaattgcgg agaaagaata acaatccata cgggtaataa 420

taattaagaa ggagaagaaa cctggtggca aaaggttt 458

<210> 13384
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-D11

<400> 13384

ggnnnnngga angattgttt cggccggccc gtaccggnnn cggaaattcc cggggtcgac 60

ccacgcgtcc gtcnggagaa acaaagtgcg aatttctttg acaagacctg agccttttcg 120

tgaaattata gccatgtctg atgtgggatc ctttacaggc attactggct ctgcttgctt 180

tgtgtaaang antcttccat caaggaaagg aggcttcgta tcatgaaaag gctcaggtct 240

tgtcaaagaa attcgggaga aacaaagtgc gaataantca cgacagcgat tctgggagct 300

tgcaggttct aatcttggta atatccttgg tattgaaaaa tcanccgagc agattgangc 360

cgatactgct gtanttggtg acgacggtga agtanatttt aaaggtgagg ctaaatttgc 420

acaacatatg aagaagggag aagctgtgag tgaatttgcc atgtcaaaga ccatggcaga 480

acaacggcag tatcttccca tattttccgt taagagaaga 520

<210> 13385
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-D12

<400> 13385

tccaagacgc ggttcccaat atctgcgttt cccgtttgcg ttttccggca atggctctcc 60

aagccactac tactacgttc tgcttctccg gtccaacttt ccgatcaact cctcactcac 120

tcacttcaaa acgtcctatc tccatcaaag ctactacttc ttctccttna agactctcca 180

attcacgatc gaatctcann ggaagatcat tgtcnagtga tggttcaaca caggaatctc 240

cttatgtant ctgttttgga gaaatgctaa gctattttgt accgacgaca agcggacttt 300

cattaaccga tncaccggct tttaanaaag ctccangtgg tgnacctgcn aangtagctg 360

ttggtattgc tcgtcntggt ggttcttcag ctttcantg 399

<210> 13386
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-D2

<400> 13386

gggaacatca acatcatatg ccctgggcga gtgcgcagga gagagggcaa atgtttgtag 60

gttctggagt ggatgtatac aaaggtcaga tagttgggat ccaccagaga cccggcgact 120

tgggtcttaa tatctgcaag aagaaggcag cgacaaacat aagatccaac aaagatgtaa 180

cagtgattct tgacactccc ttaacatata gtctggacga ctgcatcgaa tacattgaag 240

aggatgagtt ggtggaggtt acaccttcta gtattaggat gtgcaagaat cagaaaatgg 300

caaagaaagg caggcagtaa aacccatttt tgcaagctgg gtttggagga aattgaagaa 360

aagcttctac taaaaaaaaa tgaaagctag ttccaatgtt attatangct tgtttgattg 420

ttatacatag tctaatctat agcaaanggt gatcctgatg tt 462

<210> 13387
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-B11

<400> 13387

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gacgaggctc ggaatccctc tgctttacgc tgttgacgcg gttcatggcc acaatacttt 120

tattgatgca accattttcc cccacaatgt cggacttggt gccactaggg atcctcaact 180

tgttaaaaag attggggcta taaccgcgca ngaagtaagg gcaacaggag tcgctcaagc 240

ttttgcacct tgtgttgcgg tttgcagaga tcctagatgg ggaaggtgtt acgagagcta 300

taagtgaaga cctgcagttg tgaatatgat gaccgaaagt tacatcnatg ggantacaaa 360

ggaaatctcc cttacctcgc tgattcccaa agattaatgt ggctgggttg ccccaaacat 420

tttgtttggg gacggaggca caataaatgg aatcaaa 457

<210> 13388
<211> 109
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-G1

<400> 13388

gattggtanc tcnncttatt agaaagattc tcggttccga aatgacctca gattcctcaa 60

gatcnggttt ctctatcttg aaggcaggga agattttgng agggtttat 109

<210> 13389
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-G10

<400> 13389

tttcttttga tttcntcttt ttcattttcc tctcttcttt gttcttccct ctctaaaatc 60

cttctcccaa naatcaagga gttgagagag ggaagaactt taacaaaaga atttaagaac 120

tgaagaagga ggaataaaca tcgaaatgtc gggctcgagg cttttcttcg gagtttctac 180

aattgtatcg ataattttcg ccattttgtt gccgatggca catgctcaat ccgcagctcc 240

tgctccggct ccaacaagcg acggaacaac gatagaccaa ggcatancat atgtccttat 300

gttggtggct ttggtcctca catatctcat ccattgatct cttgttaatt taattttggt 360

ctctatttag tttaattatn ttttgcatcc tggattataa caaannnng 409

<210> 13390
<211> 288
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-G3

<400> 13390

tnaannncan tcgccgtgtc tctctaagct tcttcttcac tgtgaaaacc tcagatcgca 60

antatgcacg caccggtact cgttctgagc gattcgttga agcgtgaatc tggaagtaag 120

gttcatcatg gtaatatcca agcttccaan gntgttgctg atatcattcg tacaacattg 180

ggtcctcgtt ctaggttgaa gatgcttctt gatgntggtg ganggattgt tgntactaat 240

gatgggaatg ctactcgtcg tgagccanat gtcgnncatn ctgcagct 288

<210> 13391
<211> 83
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-G7

<400> 13391

aggtgattct ctgttccgtc gtatgnnagc aactccggtc gctgtgcgtg ttcacgacgt 60

gatcgtcaag ggantcgnta agt 83

<210> 13392
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-G9

<400> 13392

ggagctgaat agcggatttg tataaggtta ttattagtct tctctatcgt tgcggcgttc 60

ataagttgga gaaagtggta aagactgctt aagtatgtct gtttctatga gagatttaga 120

tccagctttc caaggagctg gacagaaagc tggtattgag atatggcgta tagagaattt 180

catccctacc ccaattccaa aatcttctat tgggaagttt ttcaccggag attcttacat 240

agtattgaag acaacggcgt taaaaactgg tgcattgcgc catgatatcc attactggct 300

tggtaaagat acctctcang atgaagccgg tactgctgca gttaagacag ttgaattaga 360

tgctgctcta agangtcntg cagtgcaant atcgggaaat tcaaaggcca acaanactga 420

naa 423

<210> 13393
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-H11

<400> 13393

nnnnnnnggn nngantggtt ncgagccttc cctggccaaa cggtccggaa ccccgggtcg 60

acccaacgtc cgcaaaatct ctctctacta atatctctct ctctctctct ctattgttga 120

agaagactca taatcggaga ttgtttgttt ttggtttgct ctgtaaattg gngaagtttt 180

gttagagatc aaatggctgg gatttgttgc ggtgttgttg gagagactga accggcggca 240

ccggttgatt caacttctcg agcttctctt agacggaggt tagatctact tccgtcgatc 300

aaaattgttg ctgactccgc cgttgctcct ccgcttgaaa actgccgtaa acggcagaag 360

cgtgagacag tagtgctctc gacgttaccg ggaaatccta gatctggatt cgaatgtgag 420

gagtgaggaa taannaaggn ganattaacg ggttangaat tcaaaattct ggttaacngg 480

aagcnaaana antttccttt ccgnangttn cctaaa 516

<210> 13394
<211> 447

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-H12

<400> 13394

gaaaagagtg ttggacttgt tctttgagta tccctanaac anttttttgc atcaccatgt 60

ggagaatgta attctctcat gtatgganag caanaactct caacttgttg accancttct 120

cagtgagtgc aatcttattg ggagtatact agaggcggna aaggactcca nattaactgc 180

tggtgattct gataagcttc agcctacagt ccctgcagag ggtaanaagc cantcaggat 240

tggtaacatc ggtcatttga ctcgtatctc caacaaactt cttcagctag ctaatagcaa 300

tgtcnaaatt cagtcacatt tgcaggaaaa taacatatgg gtggactggc aaacangatg 360

tcatgtcgaa gcgtaataca ttggaaaatg tctactcctg ggcctgcggg aaggctactc 420

acccaatgat cntngtagan atantng 447

<210> 13395
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-H2

<400> 13395

aagtcctcgg aagcggccgt gtgacaatga ggaagactgt tgccaagcca aagggtccat 60

caggcagccc atggtacgga tccgaccgag tcaagtactt gggtccattc tctggcgagt 120

caccgagcta ccttaccgga gagttccccg ganactacgg ntgggacacc gctggacttt 180

cagctgatcc cgagacattc gcaaggaacc gtgagctaca agttatccac ancaggtggg 240

ctatgctcgg agccctangc tgcgtcttcc ctgancttt ggctacgaac ggagtcaagt 300

tcggaaaggc ggtttggttc aaggccggtt cacanatctt tagcgatggn ggactcgatt 360

acttgggaaa ccctancttg gtcnacnctc agagcanttt ggccatttgg ggcaatcaat 420

tatcttgatn ggaactgttn aagg 444

<210> 13396
<211> 70

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-H3

<400> 13396

aatgtccgac actggtggga tttctcangt ggcgacacaa caggcgtttg gnaacctgct 60

gtgtttgggc 70

<210> 13397
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-H5

<400> 13397

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ttccagaaaa ttcccattac ctaatcccca ggattcgatg aacccagaaa tgatggtttt 120

cgaaaggctc tagctttctc aaatccagat tttgctgagg agctcgttga aagaatgcan 180

aatagaccat ctctctcttg tcctttgtct ttcagatcgt ttctctttca nggtgatatt 240

agagtataat actagatanc gtgaggtcct ttgtattant ggaccttgag ttgtcntgtc 300

taagtgggat aanctttctn gtgaacattt tcttggtcag ttcatctagt gaacttttt 360

tggtctcgtg aataantaaa agttttcntt ttcgggcttg atnggtaaag anaatcagtt 420

ggaganaaca aantgtggan tcaat 445

<210> 13398
<211> 104
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-H8

<400> 13398

acgnttggng ctttgatgac gtttcggtta cggntattaa nccctgtgga ctacattggt 60

gttcagccat cgaancacgc aacctttgtt ccccaaactg ctng 104

<210> 13399
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-A1

<400> 13399

aagacccaaa tgtagctgtc cgaagaggtt ctgcacttgc actaggtgtc ttgccatatg 60

aactattgac tgcaaaatgg aaggatatag ttttgaagct ctgcagtgcg tgtaagatag 120

aggtgaaccc tgaagacaga gatgcagagg cacgtgtgaa tgctgtaaaa ggactcacat 180

ccgtgtgtga gactcttact cagaaaaggg ctagcgatcc tggaaatgat gacctgtctc 240

tttttcttct tatcaagact gaagtgatgg atactttact gaaagctctt gatgactatt 300

cagttgataa ccgaggtgat gtaggttcct ggggttcgtg aagctgcagt ccatggtcct 360

tgagaagtgt acatatatcc ctctgtaaga aaatggaaac atatccanaa gggtgattat 420

aaccaatgaa acgtccccaa cttttcgant ccnaatcctt gcnaaccctt ctaa 474

<210> 13400
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-A6

<400> 13400

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agcttcaaca ttggagcatc ggcgatccaa gtcggaagtt cacttacctt cggataacgc 180

gactctgacc tatcggaaat atttcattga cctcatatgg agtgtgtcta attgctagtg 240

gttttgtggc ttattgaagt cttgggaata gtatattgag gatgctattg tataaagaaa 300

gtatggaaga tcttcggnta tcaccgctga aattaggtan ctttaagtct tcattgtcag 360

ggangtctac tccaaggggt tcacctanac ttcggaaagt gcattcaggc aaggactcca 420

cntananagg gtaaggg 437

<210> 13401
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-A7

<400> 13401

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aatgcgatcg agtgccttgg taaactagat taatctctgc tatgtcgaat tggagacata 120

aactatggag aaaattgagc tcatttcaga gagctagtta ctcaactaca tcttcaagaa 180

acaacaaatt aaagcttgat gaccttagaa aactccggcc aatgattcta aagagaatcg 240

aaaatcgagc taaagattac ccggttaaag agattgttcc tgtagctgaa gaaatcctta 300

tagctaagaa agaatctaat cagtaacatc gccgctcttc ttaaggngtt tccngtcttg 360

aatgcaaatt cggttcanaa ntgtttgttg gcaaagaagg gcatttgatt gaaanatgtc 420

gtanttaaaa cg 432

<210> 13402
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-A8

<400> 13402

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tcgtgacatg gggtaacaat tactaccaga catggggaca tcaagctttg gttattaata 120

aaacctctga gctccagctc accctcgata aaaactctgg gtccgggttt gaatcccaat 180

tgatttacgg atcaggatac ttcaacgtaa gaatcaaggc acctcaaact acgtctacgg 240

gagtcattac ttccttctat ttaatctccc gttcaagccg ccatgatgag ctctgtttcc 300

agatcttggg aaagaatggg ccaccgtatt tgctgaatac gaatatgtat ctgtacggtg 360

aaggaggcaa agatcagagg tttcgtcnct ggtttgatcc aacaaaagat tacattccta 420

cagttttctt tggaacccta atcaacttgt gttt 454

<210> 13403
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-A9

<400> 13403

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aaattccgcg acttgggctt tgatccattc ccagtgaatc tcactgcttt tctcacagaa 120

aaaaatcact ccttttttcct ggattttgtt ttctcgactg atttggggaa aagctatggt 180

ggtctgatta atctctgtct gtcnttggtg agatgggttt ggatgctgtt aaagctaaag 240

ggaattggaa atcggagaaa cctaaagaga ctgagaataa gaatcacaag aagaagaatg 300

gtgatgataa taaaagtaga antgaanaag aagaagangg agaagcaagt ggttgctggg 360

tcaaatttaa gtttatgatt ggttgcatac cttcaanaat caagaccttg atgcctcgtc 420

ntcntctaac naanggncta antgg 445

<210> 13404
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-F7

<400> 13404

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tctctctcaa acaancaaat ctccgacgac tcattcgttc ctcccagaat cagaagattt 120

agtgaaatgg ctttttgcaa taagctaanc cgtttcgtga ggangcagag tgagaatgct 180

tccatgattg gctctctcag gtctttctct gctgatgcca ctcancataa gattccacca 240

ngagactcac aattttcttg agccatatta ctatattggt agctgggaag ctccgagtga 300

tccgaaagat gcanagagaa anttgctcag cttaagagag attatgctaa taaaagttcg 360

agtgtatcgt aaagaagtac attcatgaag attgagatgc ttcgtgttga gaaacaacgt 420

taaggatnag gctagattgt ttggctgaaa caagctgcta attaa 465

<210> 13405
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-B1

<400> 13405

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gagtcagatc gttgacgtgt acgtccgagt aaccgggggа gaagtcggag cagcgagttc 120

tctagctccc aaaatcggtc cgctaggtct cgcaccaaag aagatcggag aagatatcgc 180

gaaagaaacc gcaaaggaat ggaaaggatt acgtgtaacc gtcaagctca cagtgcagaa 240

tcgtcaggcg aaagtgacgg tggttccatc agcagcagca ctcgtcatca aggcgttgaa 300

agagccggag agagatagga agaaggtgaa gaacattaag cataacggga acatctcgtt 360

tgatgatgtt gactgagatt gctaggtnca tgagacctaa ttcaatgcna aggaatnagt 420

tggacaatga ngganaatct gggaacttgt gtgtccgttg gttt 464

<210> 13406
<211> 87
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-C3

<400> 13406

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ttggtcgcan gaaatcaaag agtttta 87

<210> 13407
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-C5

<400> 13407

actctccact ccttcataat ttctctggca acgatggcta tgatatctca ccgtctccga 60

cgagctttac tcactgcgac ttcctatgtt aaccgatcaa ttagctcttc gatcacacca 120

gcgtctgatt tcccttctgt gtcggcggcg gtgttaaaga gatccgttat agggcgttcg 180

acggaagtag ctactcgagc accggcgaga ctgttttcaa cgaggcagta caagctttac 240

aaagaaggtg atganatcac ggaagacact gtgttgttcg aaggatgtga ttanaatcac 300

tggcttatca ctatggattt ctccaaagag gaaactccta attcnccana agaaatggtc 360

gctgcttatg aanaaactgc gcccaaggac ttgcatcanc gtggnanaag ntaancaaag 420

ntgtncgcnt gaacanaact acttacaagg attna 455

<210> 13408
<211> 532
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-C6

<400> 13408

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cgcgtccgaa aaatctcctt ccttcttctc nctanagatg tnttcaacaa tatccctaaa 120

gccgacgcac cttatcctct cctctttctc cacaggcaaa gtcctccaat tccgccgctc 180

ccgtttcagc cacacaccgt cgtcgtcgtc gtctcgttat cggactctcg tagctcaact 240

cgggttcaga ccagattctt ttgatttcat caaggancat gccgagaatc tgctgtanac 300

gatcgctgat gccgccgttt cgtcctctga aacctttgaa tctgtcgccg gcactactac 360

caaaacganc cagagcaatg attggttctc tggtattgct aattacatgg aaactattct 420

caaggttttg aaagatgggt tatcaactgt acatgttcct taatcctatg ggnttcgcta 480

acaantctaa tgactgtgct tgttaagggt ggctaacttt cccaattaaa na 532

<210> 13409
<211> 542
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-D1

<400> 13409

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ccacgcgtcc gcccaagcgt ccgcaacaac atggatgaca agaagatgca agtcacagtg 120

gcttacaacc atttcggaaa aggacttgtg cagaggatgc ctatggtccg atggggtttc 180

gtccacgttg tcaacaatga ctacactcat tgggagcttt acgcgatcgg tggtagccaa 240

ggtcctacca ttctcagcca tggaaaccgt ttcatcgctc ctcctcacaa acaacactac 300

agagaggtga caaagaggga ttatgcttca gaaagcgaat ggnaaaactg gaactggaga 360

ttcgagaaag atgttttcat gaacaatgca tatttcagac aatctggaaa tcctcatttc 420

aagtgttccc attctangna acanatgata aagcccaaaa atggnatggg cgtttntaaa 480

cttntcaaat nngcccgggc antnggttgc ccggtccgga aancatgcta aaaatattac 540

nc 542

<210> 13410
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-D11

<400> 13410

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gcgaattcgg atcggctgac gcagctccga ttgcacaaca atggcttctc gtatcatcaa 120

tcattccaaa aagttgaaac atgtttccgc tttactgcgg cgtgaccatg ctgtggcagt 180

ccgctgtttc tccaacagta cccacccctc tctcgttgga agagaagata tcttcaaggc 240

ccgcctgaat tattcctctg tagagagaat ttcaaaatgt ggtactggca atgtaacaat 300

gcttagtggt atttcaacaa cgagcacaaa actaagcanc ccaatggcan gaccaaaact 360

atttaaagaa tttataagct ccaagntgcg atnagtgaga ggatttcatc cagttcagat 420

tcttcctctc acaagagatt gggaag 446

<210> 13411
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-D2

<400> 13411

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angccnangc tnncgcgncc gcttggggaa nccncnattn taaagctcca ccctttccct 120

ttcaacctct ctctctccat tgttgacngt ctctcttccc tcgtaaacat cgctgtctct 180

aaagatggcc tctctctcag gcctatactc ttcttctcca tctctcaaac ctgccaaaaa 240

ccattccttt aaagcattgc cggcgcaatc tcgagattcc ttctctttcc cacatacctc 300

caaacccacc aatctaccgt tgactctctc ctcggctcgt tctgtggcac gcgacatttc 360

tcatgcggat tcgaaagaaa gagcttccta aaggattcgg atgcgttgtg gaagcgatac 420

ctcnattggt ttatcagcaa gaaagaacct gggttgtatc tggatattaa tccggtcggg 480

nttaacgatn antttgtggc tgaaaaggga gccaagg 517

<210> 13412
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-D9

<400> 13412

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gtggtttata ttttggttgt gagtcctgtg ttgacctata agccgatcaa tttcgacatg 120

cctcttttga tctttgtttg acttctgatc aacttctcaa ctttgtactt gcaaggcttg 180

aaaaatgagg cgtgagtctc catggctatg gaaagtagaa agcagacggc ttctatggct 240

attaggactc acatttgctc tcattgttac ctttcaatac atcgagctac cgtacgctat 300

ctcatccatc ttttcttcca ccaagattcc catttcaaga aactcaactt cacttatagg 360

taactcgact tccgctatag cgccgagtcc cgcgggagat gaaggaagaa gttgaaggtt 420

gatnangata tatgataagt anccggaaa 449

<210> 13413
<211> 52
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-E1

<400> 13413

tatgtgacta tgcattgtgg aatctattgg ataacgtatt tgtnaancat ca 52

<210> 13414
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-E10

<400> 13414

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ggttatagaa agaccagaag cttcaatcat gggcgtggtt acagtgatga gaaagcagat 120

aggcttaatg agctatgtcg aggaccaagg agtagtgatt tcaagaatcc acaagttctt 180

aactcttcaa tgctagatgc aatgaagcaa gacgtttcag cagtagatct ccagcgctac 240

aatggggaga atttccctga atcatttgtg aaagcaaaat tctttgtgat caagtcatac 300

agcgaagatg atgttcataa ctgtattaag tatggtgcat ggtcgagcac accaactggc 360

aacaagaagt tgaatgctgc atattatgaa gccaaagaaa actcccaaga atgccctgtg 420

tatcttctgt tccngtgaat gcaa 444

<210> 13415
<211> 270
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-E11

<400> 13415

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ccggctcagg ncaccatggt cgctccattc accggcttga antcatccgc tgcattcccg 120

gtcacccgca ngaccaacaa ggacatcact tccatcgcaa gcancggggg aagagttagn 180

tgcatgaagg tgtgnccacn aattggtaat angaagtttg agactctatc ttacctcnct 240

gaccttattg acgtcgaatt ggctanggaa 270

<210> 13416
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-E2

<400> 13416

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ctctccgctt ggcaaatgtt caatgatggt ggtcctgcag ctaaagaatt ggctccaaag 180

cttgatttgg ttaaggcaca tttatcttct agattangag taacattgcc caaaatagag 240

gtgagacaag tcgttgctac tattattgcc ctgaaaggag tcggaggctt actctttgtt 300

atcggaaaca ccttcggtgc ttatcttctg gcttcctact tggtggtttt cggtcctatt 360

ctcctaagat ttctacaact acggacctca ngaacgtcaa ttctctcctc tgtngacaga 420

attcttgcag aacgttgcac tcnttgggag cgttaatcnt c 461

<210> 13417
<211> 104
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-E4

<400> 13417

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tgtgggagaa ctaagtgtga tgttacagta cgggaaggat ntga 104

<210> 13418
<211> 220
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-E6

<400> 13418

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cnaggaagtt ccaacagaaa cagttctcag cctcancttc ggngtttcca gagccaccac 120

cggtgtctcc atcttccggt gtaggancat ttctgggtat tcccaanatt agtcgctcng 180

aatccgattt attagtctcc aagtacatca naattgccca 220

<210> 13419
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-F1

<400> 13419

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cacttgggtg gtgatnaagt aaatacaact tgttggtctg caacaccgcn aatagcccaa 180

tggcttaaaa aacatcggnt gagtgnnaaa gaagcctatc aatatttcgt gttgcgggcg 240

caanaaatcg ccttgtctca cggatatgaa attatcaact gggaagagac cttcatcaat 300

tttggaagca anttaaaccg gaaaaccgtg gttcacaact ggcttaacac agggactgtt 360

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ggttatatgg acncaccttg gcaaggcttt acccaacgaa c 461

<210> 13420
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-C2

<400> 13420

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aaaaaaatca ctccttttc ctggattttg ttttctcgac tgatttgggg aaaagctatg 180

gtggtctgat taatctctgt ctgtctttgg tgagatgggt ttggatgctg ttaaagctaa 240

agggaattgg aaatcggaga aacctaaaga gactgagaat aagaatcaca agaagaagaa 300

tggtgatgat aataaaagta gaaatgaaga agaagaagaa ggagaagcaa gtggttgctg 360

gggtcaaatt taggtttatg attggttgca taccttcaaa atcagacctt gatgcttctt 420

cttcttcnat ctatggctct aactgcactg ttacaacaat 460

<210> 13421
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-F11

<400> 13421

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catatacact gatctttctt caccgaggta gattgccatg gcaaggatat cagggagata 180

acaagtcatt ccttgtttgc aaaaagaaga tggcaacatc gccggatatg ctttgttgtt 240

tttgtccccc tcctttcaaa caatttcttg agatcgtggt aaatatgaaa tttgatgaag 300

aacccaacta tggaaagtta gtatctctgt ttcaagacct cttgggcgaa aatccggcaa 360

ttaggcctat aaacacagag ggtgctcaaa agatcatatc caagttggcc anaancnaag 420

taggttaaca ttggggaaga ag 442

<210> 13422
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-F2

<400> 13422

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ctctcctctc ttctccgaaa atggcgttac aaaacaaaga agaagagaaa aagaaagtga 120

agaagttgca aaagagttac ttcgatgttc tcggaatctg ttgtacatcg gaagttccta 180

taatcgagaa tattctcaag tcacttgacg gcgttaaaga atattccgtc atcgttccct 240

cgagaaccgt gattgttgtt cacgacagtc tcctcatctc tcccttccaa attgctaagg 300

cactaaacga agctaggtta gaagcaaacg tgagggtaaa cggagaaact agcttcaaga 360

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agtttgtcta ctcgccntta agttggntcg cgtgg 455

<210> 13423
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-A7

<400> 13423

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anaaaaaaaa aggnaaagag agagcttcaa tggagttagc ttcttnnggt ggtaaagctc 120

tgtttgtttc cgtatttctt ctctccgcat ggcaagagtt caatgatttt ggtgaanatg 180

gtggccgatn agctaaatct ttgaaaccaa aattcaatgc ctttgtaaac catgtgacaa 240

ctcacactgg ccagcaattg ccaccaagtc natatgaaga ttcttgttgc tgctgctata 300

nccttgnaag gtattggggg actaatgttt gtccttggca gctcaatggg gaacttaact 360

cttgcntctg catcaaagcc cttgcnaaac caaattctgt atganttnta naanctncga 420

aagttgnca 429

<210> 13424
<211> 603
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-A9

<400> 13424

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tcccccgggg ggtnnggaan ccccccaaag gccggtncng ggcccaaaag gcnggtnccc 120

ggtttaatcn aaatggaana ataacaacta atcaaaaatc ctcctcctcc taatttccta 180

atcngctttc tccctccttc ctcaaatcct ttcaacttcc taaaacaaat ggttatggtt 240

cctttggttg gggggatttg aaancctaag caagcntctt cgtttggtgt ccnttgggag 300

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tttgagatct cgattagcaa gcagctcaag acatctcctt agctcatgtt taaggatgat 420

ggcgctccaa tttattgatc ccctttgggt cgatctgagt ttatctcact tgattcgtgt 480

tcccaagatc tagcctctta agggacagag atcgggtttt ctctgttgtt gatgttcgat 540

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ctg 603

<210> 13425
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-B1

<400> 13425

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acancttctc caatcaatct cagagaaaaa aagaaatggc ancaaaccct aaagtctact 120

tcgacatgac cgtcngtgca aatccgccgg ncgtatcgtg atggagcttt angcggggnc 180

aacaccanaa accgccnaga atttcagagc actctgtntc gganagagag gaatcggtna 240

acaaggtnag ccattacact acaaaggatc aagctttcac cgagtgattc cgaaattcat 300

gtgtcaagga ggtgatttca cagccgggga atggtaccgg aggtgaatct atctaaggat 360

cgaagttcaa agacgagaac tttatcaaga anacatacag gaccaggtta tttgtctatg 420

gctaacgctg gtgcgaacac gaatggatct cagtttttat ttggtactga agaaagactt 480

cgtggctcga tgggaaacat gttgtgttt 509

<210> 13426
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-030-Q1-E1-B10

<400> 13426

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aaacttagct atgggcttag cagtgaccat tgtgaccctg tcctcgttgc tcagaaggtc 180

tgtgccggtg tctataaagg agtcactacg agtcaacttg atgagttggc tgctgaaact 240

gctgctgcta tgacttgtaa ccatcctgat tatgcatctc ttgctgctag gattgctgtg 300

tcgaatctcc acaagaacac taagaagtca ttttctgaga cgattaagga tatgttctat 360

catgtcaatg atagatctgg actaaagtcc ccactaataa ccgatgatgt gtttgagaaa 420

attatgcaga acgctgc 437

<210> 13427
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-B11

<400> 13427

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ccgccaaact ccaatttntt ttgtttctct caataatatt tgtgttcata ctgtttcgct 120

gtttccaata catactaatg gataacacaa accgtcttcg ccgccttcac tgtcatanng 180

aacccaagtt cactcntagc tctcaagaag tgagtagtat gaaatgggag tttatcaata 240

tgaccgaaca agaagaagat ctcatcttta gaatgtacag acttgttggc gacaggtggg 300

atttaatagc aagaagagtg gtgggacgtg aggcaaagga gatagagaga tactggatta 360

tgagaaattg tgactatttc tcccacaaat gacgcaaaaa gtcactctcn ttaaaaaatc 420

tcgagaatct ccctgttttt cnatttctca tcctcattaa ataatttctg tgattgtgga 480

caagaaaagc ttattaagtt gtcgagtggg g 511

<210> 13428
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-B12

<400> 13428

nggaatgtct gcctgggcnt ttggtcggca ctatccgggg tatacccacg cgtgnccgga 60

aaaaatcact aagagagaca ntctaaatgg cgatgattac gcgcaaacac cgccangcgg 120

cctccctctc ctcctccaat ctcaacggcg ccgtcgccgc tgcctcggtc tctcagctcc 180

acannngggct tggcgctctc tctccctcna catcaccgac ttcctacacc agacctggtc 240

ctccttcgac ctcccctcct cctcctggtc tctctaaagc ggcngaattt gtgatntcca 300

nggtcgaatg atctcatgan actgggctcg taccgggatc gatttgggcc taatgacctt 360

tgggtctcgc ttgctgcgcc cgtcgaanng atgnanacng ggtgctgctc cgcnnacgat 420

ntcgatngat tcgggtanca tcttcagggc taa 453

<210> 13429
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-B2

<400> 13429

ggtnngaatg tcttnttgnc ggnccggtcc gataatacgg gtcgacgcac gcgtccgcgg 60

acgnntggga tcgaattaaa gtcaatggcg tcacgtttat gtcttctcct tctcgttgcg 120

tgtatcgccg gagcatttgc cggagacgtc atcgaactca atcgatctca gagggagttc 180

gattatttcg ctctatctct tcaatggcct ggaacctatt gccgtggaac tcgccattgt 240

tgctccaaaa acgcttgctg cagaggctcc gatgctccaa ctcaattcac aattcatggg 300

ttatggcctg actataacga tggttcgtgg ccttcatgtt gttatcgatc tgactttaan 360

gaagaangag atttcaacgt tgatggatgg tcttgagaag tactggccta gtctcagttg 420

tggttcccca tcanncatnc aatgggtggg gaaagggtca ttttgggggc cacgagtggg 480

aaaaaacatg ggacttgttc ttcnccctgg tttt 514

<210> 13430
<211> 72
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-B3

<400> 13430

cgcttgcaac acctgcaaac cancaaaatg anggttagga tggcagaaaa gagttcacct 60

ttngttacct tg 72

<210> 13431
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-B4

<400> 13431

ntnctagttt tatatttcaa gttctttttt ttttaacctt gccatcaata caaccatggc 60

aaggatttct ctgttgttct ctttagcctt agttctagcc atcgggtccg tcnnggnnca 120

cccacctacc cacaagaaat tacaaaagac cttgtgtcca tctactttgt ccaaagttca 180

agctttccct taccttgaag tctctagctt cgtcgagaag aaggttcagt tcgcaccaaa 240

aaccattgcg ttcaagtctt tgttctccat ctgcaangag ctacatcgac tttcttgggg 300

gcgttaagtt ttctgcntcc agagatgtgt ttcacgtcgt tcatgtcaaa ngtcacttnt 360

gatgaccaag gcnatnggtt attgcacnaa nccgcacntt gnagtttgaa ngagnaccnc 420

gc 422

<210> 13432
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-B6

<400> 13432

gangtggaag aaattttnct ngcctgagng gcggtanact gtatcncggg nggccccacg 60

cgtccgntaa aaaatttatt taaatgataa cgaaatttac atctccattt cgattgattc 120

gcttcttcaa ctctctctct tcttcttctt ctatttgctt ctgtgaaacc ctagattttg 180

gngngaggaa gaanacttca atggcggaag aagtagcana gaacgttaac gcagtcccgg 240

tttcggaaga cgagctttac ggatttaaac gatcggagat gtacagtggt actctcgccg 300

gttccgttgg tccgtacggt cgtcatgttt tccnttgtta cnatagtcat ganacttggn 360

ttcctcgtgt tgacagtgaa ngacttnctc agccgtttcn gcgagngttg tttaaggatc 420

gtnacacc 428

<210> 13433
<211> 251
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-B7

<400> 13433

natgggngag cngggaaga aagcnaggng gatttgncna ngaaaaatct ccagtccgtt 60

gagaaacgag ncagaaagct caagcctttt atcaagaaga aatttgcana gagaaatgag 120

cgtcnccaag gcaggagata aacaggagaa gaaggtagaa gcancaacct aagaaagaga 180

tgtcaagaag aagaatttca ggatatagca atagatgcag tattccggaa aggatgatga 240

tgaaattctc c 251

<210> 13434
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-B8

<400> 13434

ncttccgtaa cgcagagcta gagaaaacat tggatcaaga cttgtctagg ttatatccag 60

agcattggag ttactttcaa gctcctggat gtcaaggcat gttaaggcgt attctactct 120

tgtggtgcct taaacatccc gagtacggtt atcgacaagg gatgcatgag cttttggcgc 180

cactgcttta tgtacttcat gttgatgttg atcgtctctc tgaagtgcgt aaaagttatg 240

aagatcattt catagacaga ttcgatggtt tatcttttga agaaagagat attacttaca 300

actttgaatt caaaaagttt ctggaggatt tcacggatta tgaaattggt ggtattcang 360

gggaattcaa nagaaaataa agagtctaga tgagctcgat cccgaaaatc caagtctant 420

gtgangttaa gtgatgccta atggaactga aag 453

<210> 13435
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-B9

<400> 13435

atagccaagg aagctttcct cagatcgtct ctccgaaatt ttccggttaa tcgtcagtta 60

aggggaaaat taggctatgg cgatgttagg tgcacagcaa gttccagcag cagcttgtac 120

tccagatatg gttgggaatg cttttgtgcc ccagtattat cacatattgc atcaatcacc 180

tgagcatgtt cacagatttt accaagagat tagcaagtta ggtcgtcctg aagagaatgg 240

tttaatgagc atcacttcta ccttgcaagc tattgacaag aagataatgg cgcttggtta 300

cggtgtaatc agtgcagaga tagctactgt ggacacacaa gaatctcatg gangtggtta 360

tattgtactg gtgactgggt ntttgacggg aaaagacagt ntcagggagg acntttatca 420

gacct 425

<210> 13436
<211> 329
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-C1

<400> 13436

gntctcaana tctccgttgg tgaaagtgga gatngtctca ccagagcctc caangngttg 60

gaacaattga ntggnnagac tcctgttttc tccaangnnc gatacactgt tncgttcttt 120

tggtataaga cgtaatgaga agantgcttg ctatgtgact gtcaagggag agaangcaat 180

gcanctcctt gagagtggat tgaaagttaa agaatacgaa ctcttgagaa ngaacttcag 240

cgacactggt tgctttggtt ttggtattca agaacacatt gaatttgggt atcaagtatg 300

attcatcgac tggaaatcta cggatggac 329

<210> 13437
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-C2

<400> 13437

ggtgnngaat gtcctnttgn cnnnccggtc cgataanacg ggtcgacnca cgcgtccgct 60

cacancttct tcccaacatc aaagaagacc tttacttctg gttagaatag accaagaaca 120

ctgagtacga caaagaacca tgatgaatct ttcttctcgt cgcgcctctt ccactctcac 180

attgagcttc actgttctcc ttttagcttc cacaggttcg tatggctcaa cattcacatt 240

cgctaatcgg tgcggctaca ccgtatggcc tggaatccta tcgaatgctg gctcacctac 300

tctctccacc accggatttg agctccctaa aggcanctct cgctctctcc aagctcccac 360

cggttggtcc ggtcgattct ggggctcgta ccgggtttca agttcgacag ttctgggctc 420

cggtacatgc aaaaacggtg actgcggctc naanngctgt cnaaatgcgc cgggcttggt 480

gcccgcaccg cntgtaactc tcgcggagtt aatctng 517

<210> 13438
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-A6

<400> 13438

nggtgtagag gaattttcnt ngccgttgta gcggtaactg cgntcccggg tggccccacg 60

cgtccgagca aaactatgta ccggcaatgt tcttttccaa aatgattctc cggctacttt 120

acttgcaagg gtcatcggta taatcggatc aattgaccaa gaaatgcttg ccaaaggacg 180

tggngggatg caagtacttc accaaaaatc atttactata tgagaggaac caggagagta 240

anaatttgga gtanctaata ccgaanaagt catcgctnan gcgtatacta ccaatgggtg 300

accaaggctt catatacttt gtggcatann tgctccaagt tnatcnntag aaacgcccgt 360

ctgcatttga agctcttaag cancttggt tgacntatcc ctacnaaccc atntctggct 420

gatcttgtaa gtgcatcaan aatcanntgg atgacaanct ttcaag 466

<210> 13439
<211> 206
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-G10

<400> 13439

tcangagctc acctctanta caactgccct atcggnnact actttgnata tcnagcattc 60

gctatcgggt ctcgttcaca agctgcgaan acctatctgg agcgcaaatt cgagagcttc 120

caagaatcat caaaagaaga tctgataaaa gatgctatta tggccataan gggaaacttt 180

gcaaggggaa acactgaaga ntcgct 206

<210> 13440
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-G12

<400> 13440

gtttgcagaa gcgaaatgtt tgtctctagg agtctctcga gacactgctg gaggacttgt 60

aaatggtctt tattttctct cctccaatcc gattcctgtg ttaggnanct ggtttcgtca 120

tcgaatccgg ttacgagcat tggtaactca agtgaaggta attcgaattc gtttcagccg 180

ttgatgaatc aagtgtttaa aggatggtct cgaggtatgt caacatcgag aggaaggagt 240

atgangagca aagttgagag tanaatgcgt aaagagtctg gtaagacgtt aagagagatt 300

aggagagcga agaagttgaa gaagaaactc atgactgatg aagaaaggct catttacaat 360

ctcaaaaggg cgaanaagaa aagttgcgct ttgttgcaaa agctcaagaa gtatgatctt 420

cctgagctgc cat 433

<210> 13441
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-029-Q1-E1-G5

<400> 13441

ggaaaaaagg ggtctccttc aaacattctg cagaggttgc tggtatggac aaacaagaag 60

atgaaaacaa tgatggggag gctcttgcag attttgagaa aattatgact gtagaaagga 120

gcacagttgt tgatgatagt ggtgatggta caagtgaagg agatggagct aaagagctaa 180

atgatactca gtgtaatggg aatacgttgc accaacaaaa ctccaaactc tctttgttan 240

gacatggacc gcacgggaaa cagatcgtag aatatccttt aagggaacat gganaagatg 300

gtgtacgtaa ttctgtcaaa nggtggagaa aatgttgttg atccgttcac ctccgcattt 360

actggtggtt ggatgttatc acaattggcc aaaaaaactt t 401

<210> 13442
<211> 66
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-G7

<400> 13442

nacagaganc agatgtgcga tgttttgctt gtgaaaaact cggataaaac ctgctctaaa 60

atcncc 66

<210> 13443
<211> 255
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-G8

<400> 13443

cgtttgtttt ccggtttgcg agacatattc tatcggattc tcaactgtct gatgaaataa 60

atatgtaatg ttctataagt ctttcaattt gatatgcata tcaacanana aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg ggnggccncc caaaaggntc 240

naannttant taccc 255

<210> 13444
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-H1

<400> 13444

tangcattgg tagacatgcc tttggtgacc agtatcgtgc cactgataca gtaattaaag 60

ggccaggaaa gttgaaaatg gtttttgtcc cagaagatgg aaacgcacct gtggagctag 120

atgtatatga tttcaagggc ccaggtgtcg cacttgctat gtacaacgta gatgagtcaa 180

ttagagcttt tgctgagtca tctatggcga tggcattaac taagaaatgg ccattatact 240

tgagcaccaa gaacacaatt ctcaagaaat atgatggcag atttaaggac atatttcaag 300

aagtttatga ggcgaattgg aagcaaaagt ttgaagagca ctcaatctgg tacgagcacc 360

ggttgattga tgacatggtg gcttacgcag tcaaaagtga aggtggctat gtctggggcn 420

tgcaaaa 427

<210> 13445
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-H10

<400> 13445

nnnnnnnnaa nggtntgtct gcctggtcta nngatccaca atcccgggtg gccccacgcg 60

tccgcttaca ttgggacaca cctcaccgag actaccatta ggaaggntaa gacacagaca 120

cntantgagg nttctcggat tttgctcaaa ccacgagacg aatctacttg tctatgagta 180

catgcctaat ggtagtctcg gtgaggtgct tcacggtaag aaaggaggac acttgcattg 240

ggacacacgt tacaagattg ctcttgaagc tgctaaagga ctctgttacc ttcatcacga 300

ttgttctcca ttgatcgttc acagagatgt caaatcaaac aacatcctcc ttgattcaaa 360

ctttgaagct catgttgctg actttggtct cgctaaattc cttcaagatt ccggtacttc 420

tgaatgtatg tctgcaatcg ctggctctta cggntacata ctcccagagt atgcgtatac 480

gttgaaggta gatgagaaga gcgattgtt 509

<210> 13446
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-H11

<400> 13446

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caaaaaccga ttgagaagct gcagatttat ccgacggcta atgctggtgt ttctcccttt 120

tggcgagaca agtatgagcg agatgctaaa aagtattggg atatatttta caagcatcat 180

ggagacagat ttttcaaaga ccgccactac ttggataagg aatggaatag ctatttttcc 240

gttagtggga aaagtgtcat tcttgaggtt ggctgtggag ctggaaacac catctttcca 300

ttgatcgcca catatccaga catttttgtt tatgcatgtg attttcacca cgagccgtcg 360

aattggtcaa nggctcatga tgaatacaca gagacacgcg tttgtcattt gccttgtgac 420

ttgacagggg atggtct 437

<210> 13447
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-H12

<400> 13447

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aagattcact acttcgattt tgaattttta tccaaaagtt ctctctcttt aatttccaaa 120

ttgcgtttcg attttatgtt tgtttttttt gtgcaaatcg aaaaaaccct cttttagatc 180

tgatttttga ggttcttgat tttccaaaaa cttgtaattc agaatcatag tttcaattga 240

tttcttttat atcgctaatc taagaaaaaa accgtctttt gtcttanggt ttctaatttc 300

aatcttgtat tcctcttcaa aaattataca tatttgtggt taccaattaa gggttcnaat 360

ctttgttttt ggtccggttt aaatcagaaa ccccctttaa aaacctgcna ttcctaataa 420

aacgttggga aaaaat 436

<210> 13448
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-H4

<400> 13448

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tcttgagcca cctccgagtt ccaggagttt cactggaact ggtagattgc tttctggtga 120

aaatgtgcct actggtaatc aacagcctga gcctgttgtt cacaacattg ttttctggtc 180

taatggtttc actattgatg atggtccttt gaggaaattg gatgatcctg agaatgcatc 240

gtttctcgag agcattcgaa agtctgagtg cccgaaagag cttgagcctg ccgatagaag 300

agctccggtt catgtcaact tgatgcgaaa ggaagagaaa tgccctgaaa gacagaaacg 360

taggnttcaa ttcaaggtgt ttggaaaact cnaaggggta acaatgaaag gtgcgg 416

<210> 13449
<211> 247
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-H5

<400> 13449

tttancttttt gatttgggnt ganttggatg anganaagaa gatagataga taggtaattc 60

ggattganat ctcgaatgaa tggctcagat tcaagcanca gggtcaaaat gccaatggtg 120

gtgtagctgn tcccggtgct gctgcggctg aagcagcggn ggctgcagct ggagcngcgg 180

aagaggctgg cggagcagca cagcaaggga cgactcttaa atgtcggtna ttnggatgcg 240

aacgtta 247

<210> 13450
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-H6

<400> 13450

atgtntgtct ggncgnncgg tccgganatt aagggtggcc gaccccacgc gtcagcccac 60

gcgtccggag ttaagcagca cgttcaagca gttactcaac tcaggcatgg aacagctagt 120

agcaaccgtg acaccaagaa tccgtccggt tctanacacc gtggctacca taagctacna 180

nttaacagaa accgagtacg cagagaatga ggtgaacgac ccttgggtcc aaagacttct 240

ccactcattc ganacaaatg cnncgtggct ccaaccanta atgncatcca ncaactacga 300

ctcgtttctg catctcataa ttgatttcat acttaagaga ctcnaagtca taatgatgca 360

gaaacggttt agccancttg gtgggcatca gcttgatcna 400

<210> 13451
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-H7

<400> 13451

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cacgcgtccg gaangctctt caagaattag ggtttcgttt tgaatcttct ctgattccca 120

aatccaaaga tatgaagaga tcttcaggga gaaaggattc aaatttcata gaacaattga 180

tactttacgt cgctagtgct gcattgagta gcttggttct ctacgttggt ctccgtcaac 240

ttgacccgaa ccgtgacgcc gctaaaaagt ctctcgagca caaaagagaa atcgccaaac 300

gtttgggtcg tcctcttatt caaaccaatc aatacgagga tgtgattgcg tgtgatgtaa 360

taaacccatt acacatagat gttgaatttg gttctattgg aggattggag tcaattaagc 420

aaagctttgt atgagcttgt gattccacca ttgaaaaaga actgagcttt ttggctaagg 480

gaaattactg ggtccccaaa 500

<210> 13452
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-H9

<400> 13452

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tgttgttctt ttcttacttc aaggatttgg ttggacaaga agtgacggtt gagctgaaga 120

atgatttagc cataagagga actcttcact cagttgatca gtatctgaat atcaagctcg 180

agaacactag ggttgttgac caggacaagt accctcacat gctttcagtg agaaactgtt 240

tcatcagagg atctgtggta aggtacgtgc agttacctaa agatggagtc gatgttgatt 300

tgcttcacga cgcagctaga agagaagcta nggggtggct tgattcctga aatatctttg 360

tatctcccaa aacttgaata ctttcattcg gcgtaatggg ctttataatg aatattccct 420

gag 423

<210> 13453
<211> 267
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-A1

<400> 13453

caaanccttt gagaaactca naanggacac nacgagaatg tcaagaaagt catcaaaagg 60

cntaagggta nggatgcntc caaaggacgg gcttgtctgc actggctcgt aagccctgga 120

tcgctgttgg aatgaagaac gttgactaca agagagcccg gcatttcgan gttgacntgg 180

ggggagttcc gtaacatccc ttgagatnaa caaaggagaa agatgactgg ctaaantgga 240

gccccctgtt aacatgggaa aanantt 267

<210> 13454
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-A3

<400> 13454

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ccgtaaaaan ctacctcagt gaccatagtc tcactttcca atcccacaaa gtcattctaa 120

gtctttggag tgttgcattt gcaaagatgt ttacaaatgg gatgagtgaa agccattcat 180

canngattta cctaaccgat gtatcaccag aagcattcaa ggctatgatg aatttcatgt 240

atagtggaga gttgaacatg gaagacactg tgaattttgg caccgagttg attcatcttc 300

tctttctagc tgaccggttt ggagttgttc cacttcatca agaatgctgc aaaatgctct 360

tggagtgcct ctcagangga tggcgttccg ttttggaaga aggattctgt atgctcagtt 420

ctccaagtgg tttcgtcnat ccacatgtaa accattgagg agatgtgcaa gangaattct 480

ccatgcactt cgactattgt acactg 506

<210> 13455
<211> 289
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-A4

<400> 13455

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tttgggaatt gagagcaact ttgtttaaat tttcggttgc aaaattttta gaagaagcct 120

ctgatatttt gtttctttta ttaaaggatc cctctttgta cagcaaaact cttgttaatt 180

ttggttcatc accccaatta tcaaatctta tttttggcta aaaaaaaaaa aaanaaaaaa 240

aaaanaaaaa aaanaaaana aaannaanaa aaaaannaaa aaaannanc 289

<210> 13456
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-G1

<400> 13456

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ttatttacat tgaagaagat ggagtagatg ttgcttcnag tgatgtcaat agtatgggtg 120

atataactgt ttcgtcgatc tctgaagttg agaaacttgg gcagaagaac gctgttcaac 180

cgatcttacc ttcgaagaat ggagttgctg ttataatgtt taccagtggt agtactggtc 240

taccaaaggg agttatgatt acccacggaa atcttgtcgc aactgctgca ngagttatga 300

aggtggttcc aaagttggat aaaaatgata catatattgc gtacttacct ttggctcang 360

tgtttganct ggaanctgaa attgtggcct ttaccnaagg tatngccacc ggttanggnc 420

aacnaatgnc tt 432

<210> 13457
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-E10

<400> 13457

agatttcccc atacttagag gtcaagagaa ataaaatatt tttccggcga cgcaatggct 60

tcttactccg gttgtttctt cgtcgttact ttggcagttc tgtcacaatt tctcttagcc 120

ccagcttcag ccttggtcaa cagggaatac atcgattcca attgccaaag agtcaaaaac 180

aaagccttct gcatccaaac tttgaccacc tatcctcctg ccgctgctgc caccggcctg 240

ttaccattgg ctgaggccgt ggttggcctt gcaatatccc actgcgagaa gacagctggt 300

ttcgcagcag agacagccaa aaaagggacg caaacatttg aaagaactca agtttcaacn 360

aagttgccaa cgaacgncct aaggnttggg taantttgg gcggttctcc taaaagaanc 420

cgctcctaac tgggaaactc caagggaact ccaaccaaga acaactggnc caaacttaac 480

gaacngt 487

<210> 13458
<211> 558
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-E12

<400> 13458

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acgcgtccgc tcagattcct attcgtctct gcaattgaat cttccggtag gcgaagatgg 120

cgacgtctgc gaggatttgt tgcggaggag gaagtgcatg cgccgttcgt tgtgatcgtc 180

gcncgttaaa tttgaattct cgatcgtcat gtgttgttcc agtgacgaat cgacggaata 240

tgtgtgcgat cgggaagatt tcgatgtcga tggaggattt gtcaccaccg tctgcggcgg 300

tgaagattga aaggatcggt ggaaggaaac gcggtggatc tgttgtgtca agggagaaag 360

ctaagatgtg tggttgagaa gattcggtgg tttgagattc gtgaaanaat ccttaanana 420

attcgccgtt taatggatgc aattttaata acgccggnag ggctaaatgg ggtgggtttt 480

ggacnaacga acgggnaaac cgaaatccca aaagggccgg aaggaattgg ggccaanaag 540

aattgggaan ggaaaagg 558

<210> 13459
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-E2

<400> 13459

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ccgaaaaaaa atataacctt taaattttct ctcatttctt catcttcctc tccacaaaac 120

ccattttaat ggcggacgtt agaaacccta caaaaaatca tcatggtcat catcatcttc 180

atgctctctt gatcccatat ccatttcaag ggcatgtaaa cccatttgta cacttagcca 240

tcaagctcgc gtcacagggg atcaccgtca ctttcgtcaa cactcattac atccaccacc 300

agatcacaaa cggctccgat ggagatattt tcgctggagt taggtcagag tctggccttg 360

acataaggta cgcgacggtt tccgatggtt taccggtcgg atttgaccgg tcgttgaacc 420

atgacacgta caatcgtcgc tgttgcacgt gttccatgcg catgtggaag aacntgtggc 480

gaatcctgtt ggaggagang 500

<210> 13460
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-E4

<400> 13460

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cntactcagc accatcaatg gaccgcccgg agacgatcgc cgtcaaatgc gaacccatga 120

ccgttgactc tccttctcga cctctaaagc ttgtagtttt agctgacctt aatttcaatc 180

ctcctgagac tgatgatctt gactcatcca ttccaatccc tactcctcct cccatcacta 240

ggttgagtaa cgaggaaagt catcaagagg gaggtatatt aacatgcaag gaggtggaac 300

caggagaagt agaagccaaa aagatcagca aggtgggaaa atgccgctcc agaagtaaga 360

ttgagtcttc ctctgattgt ggagttgatg cagatggtga tctggctaat caaggggtcc 420

ctgcatcccg ggaagaaaaa atcagtaacc tcaaaatggg tttgattcat gttgcaagga 480

agatgcccaa aaaatgc 497

<210> 13461
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-E5

<400> 13461

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tgaaattaat ggcggaatcn tcgtcgccgt cncctactga agagatcgtt cggttgatta 120

agcgtttaan cgcttacntt gctttcaaaa tgtcaagcct tttctccact acatcnattc 180

gaaatctgga ttcaagatca attggtgcga ttgcngggct tgcgattgcg gtgatattta 240

cgtgganggc gataanaacg cccggagagc aacgtcagag aangcagccg aancgtatga 300

ttcacaatgc tgaaacntct agtgctgcng ctgctgcttc tcagtcgaat ctaacttctt 360

cggttgctcc ggaagtttcc tcgcctcntg aggataatnc ggtgcaagat gttgtngatc 420

agttcnttca 430

<210> 13462
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-E6

<400> 13462

aaagctcgtc gtcgtcttca atggtgaatc tcaaaccaat tggataaata aaacaaaaca 60

aaaaaaactt cacaaaaaaa aaaaaaagat ccaaattaca accatgcctt cggagttaac 120

accagaagaa cgatcggaac taaaaaactc aatcgccgag ttccacacat accaactcga 180

tccaggaagc tgttcatcac tccacgcgca acgaatccac gcgcctccgg aactcgtctg 240

gtcaatcgta cgacgattcg acaaaccaca aacatacaaa cacttcatca aatcctgctc 300

cgtcgaacaa aacttcgaga tgcgcgtcgg atgcacgcgc gacgtgatcg tcatcagtgg 360

attaccggcg aacacatcaa cggaaagact cgatatactc gacgacgaac ggnagagtta 420

ccgggattca gtatcat 437

<210> 13463
<211> 75
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-E7

<400> 13463

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cgganaagat gaaca 75

<210> 13464
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-E8

<400> 13464

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ttgggttcgc acacttgcaa ggctggttac gccggtgaag atgctcccaa ggccgttttc 120

ccttccgtta ttggggcagt agatggtgta gaggcaatgg atgtggatgt tgattctaca 180

aagactaatt cgaactctga ggattcgaag accgagtctg aaaaggaaaa gagcaaacgc 240

aagctctatg taggatctca agccatgagc taccgcagag atcatatgga ggttttgtca 300

cctataaaag atggcatcgt ttctgactgg gatttggtgg acaatatatg ggaacatgct 360

ttcaattgtc tgatgattga tcctacggag catccaatgc tgctagctga acctccttta 420

aacactcaac agcag 435

<210> 13465
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-029-Q1-E1-E9

<400> 13465

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agaagaagag aaaaagatgt attgtcttca agttgcagca tatcacgtgt tcttcaacgc 120

atctcggata tgttatcttc ttgctctgat tatttttgtc tttctcagat tcttcgctat 180

tttccagaat atctcaccag ataatcgagt cggcgagcca agaacggcat cgtttatgag 240

gtttagtgat acacaacaag ctcagggaga ttttaatcta actttctctg gtgttttctt 300

agaatctgta atcaaagatg tcgctgaaat tgtttttttaa gttttatttt gtagtattgt 360

ttaattatgt acttatcgtt atattaatta ccatgttaaa a 401

<210> 13466
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-F1

<400> 13466

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ttcttcaatt tgagatttag tgtctccttt aacacccaca aagccagcag atgctttcct 120

gatgactcct tgtttgatct gatcataaga agaagaagac tatggccact tattacaaaa 180

ctggctcaag tgagatttat tccagaccag aatttgtccc tggaaacgca atgaactaca 240

caaattcttt cacagagaca tttcctagag attcaactaa taatgtgtca ccttcaaaag 300

agattcaagt gttgtcaagc cttggtggag tttcacaaat ggttgagatt caagattctg 360

gttcttggag agatcaagaa gacaatgaca ggaatcgctt cccggtgatg aagcgtcctg 420

gnctcagctc gcaaa 435

<210> 13467
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-F10

<400> 13467

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atttcttagc gctccattgg aaaagtataa taatgtagta actatcttga agcttaccaa 120

ctatcctcta gtaatggaat accttgaccg tgagacaaac aaagcaatgg caatcattct 180

agttcagagc gtttttaaaa ataatactca cattgctact gctgatgagg tgtccgtttc 240

cttcctcgat ttagtttctt cttttagcat tctctattga tgtggagttt ccttttattg 300

tttgttacag gtcgatgcat tgtttgaact gggcaaaggg tccatgaaag gattttgacg 360

gaacaattga tgaagaaggt ccaanaacct aaccctggtc cgcaaatcct aatgcattgg 420

ggtcaaagta tcctgg 436

<210> 13468
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-F4

<400> 13468

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cacacngatt aacgaatcaa agatcgattt ggggatcaat cgaggaagaa gatgacggag 120

gcgatgataa ggaagaagcc aggaatggcg agtgtgaagg atatgccgtt gcttcaggat 180

ggtccaccac ctggtggatt cgcgccggtc cgatatgctc gccggatctc caacacggga 240

cctagcgcca tggctatttt ccttaccgtt tccggtgctt ttgcttgggg catgtaccaa 300

gttggtcagg gcaacaaaat ccgcagggcg ttgaaggaag agaagtacgc tgcacgtaga 360

gcaattctac cgattcttca agctgaagaa gatgaaagtt tgtgtctgag tggaagaagt 420

atctagaata cgaagcggga tgtnatgaaa gatgttcctg gatggaaagt ccgtgaaaac 480

nttacaattc tgg 493

<210> 13469
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-F6

<400> 13469

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accctaatgt tatggaagcg aagattgtgg ttagctcttg tggtcatgat ggtccttttg 120

gagctactgg tgttaagagg ttgaagagta ttgggatgat tgatcatgtt cctgggatga 180

aagctttgga catgaacact gctgaggacg ctattgtgag gttgaccaga gaggttgttc 240

ctggtatgat tgttaccggt atggaagttg ctgagatcga tggtgcaccg agaatgggac 300

caacttttgg tgctatgatg atatcgggac aaaaggcggg acaacttgct cttaaggctt 360

tggggctacc gaatgctatt gacggaactc tcgttggaaa ctaagcccgg anctgtccta 420

accgc 425

<210> 13470
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-F9

<400> 13470

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tctctatcac aagagagtca aatccatggc ttctacttct tccctcgctc tctctcaagc 120

tctcctagct cgtgcaatct ctcaccatgg ttctgaccaa cgtggatctt taccagcttt 180

ctctggactc aaatccaccg gttcacgcgc ctcagcttcg tctcgtcgac gtatcgctca 240

atccatgacc aaaaaccgat ctctccgtcc tcttgttcgc gctgcagctg ttgagactgt 300

tgagccaacc actgattcgt cgattgtggg acaaatcggt caactcgatt aggtttttgg 360

ctatcgatgc ggtggagaag gcaaatcagg tatctggtcc tcctaagggt tgtgctccga 420

tgntcana 428

<210> 13471
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-D9

<400> 13471

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ccccttggaa gactgttttt gatgctgcaa gctgggagca gcttatgcgt cgttacatag 120

ttcctaaatt acaggtggcc ttgcaagagt tccagataaa cccagcagat cagaacttag 180

acgagttcaa tttggttatg gggtgggtat cttcagtacc cattcatcta atgactgatt 240

tgatggagag attctttttc cccaagtggc tggatgtttt atatcactgg ttgtgttcag 300

aaccaaagtt cgatgagata atgaaatggt ttttgggttg gaaaggaaca ttcccacagg 360

agctttctgc aaacaggagg atcgaaatcc agttcaagcg tggtctanat atggcgaggg 420

aagcagttga a 431

<210> 13472
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-C5

<400> 13472

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attcttcctt ccatggntca gccatctccg cagctcntat ctccatcggt ctcaaaccac 120

gatntttctc cgttcgcgcc acaaccgctg gttacgactt gaacgcnttc acgttcgacc 180

cgatcaagga atcnatcgtg tcacgtgaga tgacgagaag gtacatgacg gatatgatca 240

cttangctga gactgatgtc gtcgtcnttg gtgntggatc ngctggttta tctgctgcat 300

atgagatgag taagaaccct aangttcaag ttgcaantaa tgagcaatcc tgtaatcctg 360

gngtggtgct tggccgggtg gtangctt 388

<210> 13473
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-C7

<400> 13473

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agtagtccan gatatttcgt cgacatcngc atgagaaaaa agtaacaaca aatgtgcact 120

gggaagggaa aatgtcgana gacttggtta cattcgcggg caggatacca antgactctg 180

ttacccggag gtatgtacat gggatgtcct tgctacgtat caaagtgtgt tgctgattta 240

aagtctttcc acttagaatt ctgctggctt gaatcgccga gctcaanaca aagactcatc 300

cgcacatatg accatgaagg tttagctgtc gcatcaactt attttactga tacaaaaatg 360

tgagcttctt cncatttatg ttccttgttc aatgttcaaa cctttgttaa tgttgccaat 420

ccaacttttg cnccanaatt atttgncttg gaaa 454

<210> 13474
<211> 317
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-C9

<400> 13474

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ccctctaaaa aaaaaagggc ggncgctcta gaggatccaa gcttacgtnn gcntgcatgc 120

gacntcatag ctcttctata gtgtcaccta aattcaattc actggccgtc gttttacaac 180

gtcntgactg ggaaaancct ggcgttaccc aacttaatcg ccttgcanca catcnccctt 240

tcgccagctg gcgtaatanc naataggccc gcaccgatcg cccttcccaa cagttgcgca 300

gcctnaatgg cgaatgg 317

<210> 13475
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-D1

<400> 13475

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cgcgcccgcg cccgctccag ctccagctcc ctcgcccgct cccgcttctg cgcccgttcc 120

agctcccgca cccacgcccg ctccagctcc agctcctcct aacaaagtgg aagctctagg 180

aggaaatggt ggaacaatat ttgacgatgg tgctttcgat catgtaagaa aggtttatat 240

tggtcaaggt gattctggtg tagcttatgt gaagttcgaa tacagaaaag atgggaaaag 300

agagacacgg gaacatggaa aaatgacagt gttaggaaca gaggagtttg aggttgaatc 360

cgatgattac atcacatcaa nttgaanttc tgtcnacaat gtccttgggt ttaaanagtg 420

aaacggcaan ttcccntgtc t 441

<210> 13476
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-D10

<400> 13476

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ttaaccatan cccgccaatt ccttaccggg tcggatctat ctgttgctgt tgtcgataaa 180

gccgtacctt gctccggcgc caccggtgcc gggcagggat atatatggat gacacacaag 240

aaaccaggca gtgatgtgtg ggacttgacc ttgaggagcc atgaactctg ggcacaaagc 300

ttgcagagag cttgactgat gatgggtctt gatcctgaag agttgcttgg ctggaaaaag 360

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atgag 425

<210> 13477
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-D11

<400> 13477

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aagaacagaa agaaagaaaa tttgtttgcc aataggatat ttganttatt tgatgttaaa 120

cgaaaaggcg taattgattt tggagacttt gtgagatcac tcaatgtttt ccatcctaat 180

gcttccctag aggagaaaac agactttacc tttaggcttt acgacatgga ctgcacaggc 240

ttcattgagc gccaagaggt gaagcagatg ttgattgcac ttctctgcga atctgaaatg 300

aaactggctg atgatacaat agagatgata cttgatcaag acatttgagg acgcagatgt 360

ggatcgggat ggaaagattg ataagacaga atggagcaat ttcgttatca aaaaccca 418

<210> 13478
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-D3

<400> 13478

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ctgtggttac atccccggct caggccacca tggtcgctcc attcaccggg cttgaagtca 120

tccgctgcat tcccggtcac ccgcaagacc aacaaggaca tcacttcatc gcaagcaacg 180

ggggaaagaa tttagctgca tgaaagtgtg ggcaacaatt tggaanaaaa aattttgaga 240

ctcnatctta cctccctgac cttantgacg tcnaattggc taaaggaatt gactaacttc 300

tccgcaacaa agttggattc ccntgtgttg aaattcnant ttaaagcaac gggttttgtg 360

ttacccttta ncaacgggaa acaactcccc ngggtaacta cgaattggac cggttactgg 420

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<210> 13479
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-D4

<400> 13479

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catgcctcca aagccactcg ctatgtacag ggatgtgatc tgctcgaagg cgagtggggc 180

gaagttggaa gcatactctt gtggaaatta actgttgatg gagagccaaa agtgtcaaag 240

gatatgattg aggcgattga tatgaagatg aatatgatcc agtggagggt gttagaggga 300

cctctgaagg aagagtacaa tattttctcg aaaacgatga aagtnagccc taancaagga 360

nggtctggaa atgtggtgaa gtggaacttg aagtatgaga aaantgatga naaagggggc 420

tcacctanag aaggtccctc aantnctccn ccaaaa 456

<210> 13480
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-D5

<400> 13480

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ctttccaact tctccggttc ttcaggttct ggtctctctg gaatcggcgg cgtgggtcca 120

cctccgatga tgcttcagct tggttcangc aacgaaggga atcataatca tatgggtgcc 180

attggaggag gtggacctgt aaggtttcat aatcagatgt ttccgttggg attaagtctc 240

gatcaaggga aaggacatgg ctttcttaaa cctgatgaaa ctggtaaacg tttccaagac 300

gatgttcttg ataatcgatg ttcctctatg aaacctattt tccatgggca accaaatgtc 360

acagccaagc tcnancaatg ccgcatcaan aatctactaa tcggcctana gttanggcta 420

ggcaagtcaa ngtaccgatc ca 442

<210> 13481
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-D6

<400> 13481

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caanaacttt gttttgggct tcatccatcg ttcaaggttc gttgaaaact atgaagaaag 120

ttgagttttt tatgctcctt ctctgcttca tcgcagcgtc atctctagtg tctgctgatc 180

caccaacatg tcctgctgat ttgggaggca agtgtagtga ttctgatgac tggcaaggtg 240

atttcttccc tgaaatcccc aagattaagt atgagggacc ttcgagtaag aacncacttg 300

cttacaggtg gtataacgct gaagaanaga ttcttgggaa gaaaatgaag gattggntaa 360

gattcagtgt tgcgttttgg catacttccg tgggaactgg aggtntcaat tggtgctgcn 420

acaaagtatt 430

<210> 13482
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-D7

<400> 13482

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gcgaggaccg ttctgataac gggagtgagc aaaggtctgg gaagagccct agctctcgag 120

ctggccaaga ggggtcacac tgtgatagga tgcgctcgta gtcaagagaa gctcaccgct 180

cttcaatcgg agctttcctc ttcgaccaat catctcctcc tcaccgctga tgtgaaatca 240

aacagcagtg tcgaagaaat ggcacacaca attgtggaga agaagggtgt cccagatatc 300

atagttaaca atgctggtac catcaataag aacagcaaga tttgggaagt ctctgctgaa 360

gattttgaca atgtcatgga tacaaacgtt aaaggagttt caaatgtgct gcgccanttt 420

acccctttga ngcncccnnc naagnaa 447

<210> 13483
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-E10

<400> 13483

aggacccacc gattttgtag tcggtctaac acatagagac aaaacatana cctgagcttc 60

acaaatatag ccgaatgaac catggnaaat tgtacaanag agaacacggt gngcaangga 120

taagatgata catggttgag gaagcagcgg taatccccac tccttgganc cganatcata 180

gtgccgcgct gcctcaacca ttgcaaacgg ccgtgataat gtaagctatc cganagagtc 240

ttcttcaacc tctgttaacg attctcctgc tgttttggca cctcgaagag cnaatcctta 300

ncaattatcc cttatccttc caagctgcaa cntatgggtt tgctcttcnc anatcnataa 360

agtttggtac gctctcgact ccctctgatg cacatcctca acggaannta ncggaa 416

<210> 13484
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-028-Q1-E1-E11

<400> 13484

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actgttgcaa ggactcacat gcatgattgg atcattctcg tgttacttgt tattctcgag 120

tgtgtactcc ttataatcca cccatttat cgctttgttg gtaaagatat gatgactgat 180

ctaagttacc cgttaaagag taacaccgta ccaatttggt ctgtcccggt atatgcgatg 240

ctgttacctt tggtaatctt catctttatc tacttccgtc gaagagatgt ttatgatctt 300

catcacgcgg tgctaggtct cttatactct gttctggtga cagcagtact taccgatgca 360

ataaagaatg cagttggtcg accacgtcct gacttcttct ggcgttgttt tccagatggc 420

aaa 423

<210> 13485
<211> 330

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-E12

<400> 13485

aaccctaaaa aaagtccttt ctgattcatc tatacagaca catactgtat tctcaaaaca 60

atggagattc cttctctgaa taagcagcaa gagttcactc tcgcctccgt nnntgntggc 120

acttctcctt cctcatctct ttcgtcctct cctgttgtag ctacgttttc atgcgttaat 180

gaagtcaagg aactccgatt tcaggaatcg aaatcgtctg atggtttcag ttttgatctt 240

agggnngact cagttgttca agttggggcc acttcagttc acttgtgtnt cnggatggtt 300

cnatttcttc tgnanaggan nantccnnng 330

<210> 13486
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-E7

<400> 13486

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gtggactccg tcatcactct cgctanaggg tgcactggag gatcaattac tgagaangcc 120

cagagatttt tctgggaaat ttgcgttgaa gctgctgcga atggtaacgg atcatacgcg 180

aagaagttac tgaagaaact cataaatgaa gttgagttan agaatggtga agtattggat 240

gaagtgtatg aagagtatgc tctttacatg ttaacttcta aggaagatat attggtgaaa 300

gaaaacataa ggataaccaa attcatttct tttcttttcc ctgaangttc gtacaaacac 360

ccgagttgtc caangtcgan gaaattagtt attccgctgc antgttcgtt gaacatgctt 420

gaaggagata ccgggtgttc aaactnggca 450

<210> 13487
<211> 306
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-028-Q1-E1-C2

<400> 13487

aagatctttg ggttctgtgg ttcataatca gaaatggcta atcacagggg aaagcttgac 60

gagacaaacc tatatggagt cttgtaggca tgaccgctct tgtcaccggt ggctcaaaag 120

gcatcttgag aagctgtggt tgangaacta tctacgttan gggcaagaat ccacacatgt 180

gccacagaca aaactcatct tcaacaangc ttagatacat ggcaattanc ngggtttcag 240

gttaccactt ntgtcagcca ngtntcttct cgtnatancc aagatcaagn catggnaaac 300

cgtttc 306

<210> 13488
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-H4

<400> 13488

cnccgtancg gtcaaaactc gcgggaccca agccttcnnt tncaccttan cccttgtctn 60

cttcattgtc ccctttttct cactttaaga tctttcttgt tcttagccca tgacaagtca 120

ccaaaatatc aaaatttcag aaaaaattat gatgtngggt gtgggggggaa natgtcaaag 180

cagccacgag cttgcgaact ttgtctgaac aaacacgcag tttggtactg tgcctccgat 240

gatgctttct tgtgccatgt ttgtgatgaa tcagtgcatt ctgcaaacca tgtagcgaca 300

aaacacgaga gagtttgtct tagaacaaac gagatatcga atgatgtgcg tgggggaaca 360

acattaacct cggtttggca cancgggttt cgaagaaaag caagaactcc taaatntcng 420

tatgagaaaa agccacaaca aaaagataga tgatgagaga aagaaaggga agatcctcgt 480

gttcccgaag aatgggaggg cga 503

<210> 13489
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-H5

<400> 13489

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agggtaccag ctagggacaa taatgtgaga gttttgttta ctgagaaagt tatggaaagt 120

attgaaaggg agaccagctg caagattaaa ttggatgaga agttcataat tgttagtggc 180

aaggacagat tgatcttgag gaaaggtgtt gatgctgttc acaaggttaa ggaggatggt 240

gagatgaaaa gttcttctgt ttctcacagg agcagatcca ggtcacctag gcgaacttct 300

gttggaccat cacgtgctcg aaactctgaa cctcaaaggc agcagctgcc atcacatggt 360

tcgtcaagtt tcccagagcg ctctggaang caagataagt ttgtggataa tcctttccgc 420

gaagagaccn tgttcgtgag aatcaaaa 448

<210> 13490
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-H8

<400> 13490

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ggtgttagtg cggctgagaa ggaagaagtg gattcgcgtt caatatatgt tggcaatgtg 120

gactatgcat gtactccaga ggaagtccag cagcattttc aatcatgtgg gacagtgaat 180

agggttacaa ttctgacaga taagtttggt caacctaaag gttttgcgta tgtcgaattt 240

gtggaagtag aagctgttca aaattcgctt attttgaacg agtcagaact acatggtcgt 300

cagataaagg tatctgcaaa gaggactaat gtacctggaa tgaagcaatt tcnangaaga 360

aggcgtcccn ttagaccgat gaaggggaat catgccaaga attcc 405

<210> 13491
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-027-Q1-E1-H9

<400> 13491

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tccggcgtcg ttatcggaat aatcttgcta catctcttta ctttcgcctc tcttgtttca 120

tccgatgaac ttcagtttgt tgtgggagaa agcggagagc ttcaagtgac tcctagttta 180

gaggtaaaag gttctcctgg attgaagcca gatagaacct ctctttgtga gaggattcat 240

atccatggac ttggaaggtt taaacatcta agacaagtat gcacattcgc tcaagttgat 300

agttaacgcg tcaatctctg ggaaaacaaa taacattgac gtttgctttc accggaattt 360

gtcgcgtgga attggaatgt gccctcatag tccatgggag aaagcctcca aagggtcatg 420

ggttcagaca atgtt 435

<210> 13492
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-028-Q1-E1-A2

<400> 13492

cacactctct acaatgttgt ctatgctctg gttccttcta tctcttctct ctcttcttct 60

acttccttgt ctccgacctt gctttcctgc taaaggatct ctgaaaaaca aaaagaagat 120

tgacaaggga acttatgtgg tcggagagga ggagacacct aaagagcttc agagagagct 180

gatgccgaga cacgtggcag tgataatgga cggaaaccgg agatgggcta aacagaccgg 240

attgttgacg tcacaaggct acgaggctgg agctaaacgg cttctcgagt tcgctgacct 300

ctgcttcaaa ctagggataa atactgtctc agcttttgct ttctccactg agaattgggg 360

aagacacaag attgaagtca aatgcttgat gtatttgttc caacgttacc tcaagtcaaa 420

gatcaaattt tccaaaacaa gggaatccg 449

<210> 13493
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-A4

<400> 13493

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gtggacatca tttcgacgct ttcagacttc ctgctcgtcc tgatcatttc gaanctttcc 120

ttcaaggagg ctttgagcac cagtcgcctt tccacccgct ggagacacat atgtcgcgaa 180

acgagaaaca tctctttcag agaggacgag atcgtgacat tcgctgatga ttccgttgct 240

cgctattacc aaagggctgc attagttgcc tatatggttg gttgggttaa caattttacc 300

gggtggagtt gttgaaagct tcgagcttcg tctctctaat tcgtatgcnt ttgnagaang 360

ggtcaccaca ctggatcgaa ttcgctgtct ccaaagaatg tcaagcatcn ttttcctgaa 420

ctcccaaaaa ccccgttggg gtttcaaaaa ang 453

<210> 13494
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-A5

<400> 13494

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gatgtggatg ggatttggct aatgtaatat ccgtcaatga tgtttgttgc tgacatagct 120

tattctcttc aattcacagg ctccggaggg ttatggtact cagcatgatc caaatcatcg 180

gtttggcgta tcatatgatg acggatatcc tgatgaaagg ttgatgcggg atgatgtcta 240

caactatcca cctggacata atactctggg tgacttgcct caatctanaa agcgaaacta 300

tgaanaaaat tatcccagtg aacttcgcac gcaagaaaag ccttacatcg attcagatta 360

tgctgctgac tattatcatg atagtgaanc tgggagtcgt aatggacatt accgtgatca 420

tgaacacgaa anggtcntcc aaata 445

<210> 13495
<211> 70
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-B11

<400> 13495

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gatnaaggat 70

<210> 13496
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-B3

<400> 13496

naaagcctct cgttgctaga ggaatcaanc aatggtgttt gtgaagtcca ccaagtcgaa 60

tgcttacttc aagaggtacc aagtgaagtt cangagaaga agagatggaa agactgacta 120

cagggcaagg atccgtctta tcaaccaaga cangaacaag tacaatactc ctaagtatcg 180

ttttgttgtc cggtttacca acanagacat agtggcanag attgtatctg caatcattgc 240

tggtgacatt gttaaagctt ctgcttacgc acatgaactg cctcagtatg gtctcactgt 300

tggtcttaca aactatgctg cagcttactg tactgggctt cctttggntc nccgtgtttt 360

aaanatgttg ggaatgggtt gacgantatg aagggnaacg ttttagggca ctggganaaa 420

nacttttccc gttgagccca actggattca anggngac 458

<210> 13497
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-B4

<400> 13497

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ttatctactt tctcttctaa atctctaatc ttttgaaacc ctaaatcang gttttgtntt 120

tttttatcaa ctggggaaga agaaaggtgt aacctttata taaccatgga ttccggtgac 180

gcnacatctt tgcttttgac gaaaattcga ngcttggagc cagattatgc tcctaanatt 240

attgggtatt tgcttttaca tgattttggt gatanagact tgatgcatct ggctcgtgga 300

cctgaancga ttttgcagtc gactatttcg aangtganga gtctcttggg gaatttctcc 360

aacanctcgc cntcttctan gccgacntct ccttcatccg ttggancc 408

<210> 13498
<211> 313
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-B5

<400> 13498

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tcgcggtcta tctgagaaac acggnaaggt cccatgacta gctgtagtta ttgttgggan 120

ccganaggat tcacagacct atgtgaatac gaagaggaaa ncgtgcgctg aggttgggat 180

taagtcattt gacgtgggcc taccatagga agtttctgaa gctgatntta ntagcaaagt 240

tcatgaacna aattcaaatc cgnatgtnca nggcatanta gtttaactcc catttgcccg 300

aaacattnta atg 313

<210> 13499
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-B6

<400> 13499

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ttcagcacgc ttaccagcan atacatcagg ggtcaaaact gttgaagatg gaccggatga 120

tgttgagagg gaccaaaaga angataggcg tgaggaaagg aaacctgcaa agagagagaa 180

ggaagaaaga catgatangc gtgaaaaacg cnaaaggcat gagaagcgaa gcgctcgtga 240

ttcagatgat agaaagaagc acaagaaaga gaagaaggag aannaaagaa ggcatgactc 300

tgattctgat tgaagcgaat tgtcccaagg atggaacatt ttgctcttca gaggaanaat 360

ggtcngctaa gtaccaaaat ccaactacca nttctgcaan aattaaatcc gttgcctaat 420

tcaatt 426

<210> 13500
<211> 434
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-B7

<400> 13500

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atttcatgtt cctcnaatgg gttatctcaa ataccttcaa agtttcttac tttggctaaa 180

aggaatgatt ttttcgattg gatggttgga atcagaanga gaatccatga gaatccagag 240

ttaggttatg aggaagtaga gacatctaag cttgttagag cagagttgga gaagatgggt 300

gtttcttana agtacccagt tgctgttact ggtgttgttg ggtaagttgg nactggncat 360

gcnccttttg gtgcnttaaa ggctganang gatgnacntg cnatgcagga aatgggggaa 420

tggaacacac aata 434

<210> 13501
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-B8

<400> 13501

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gcttaccaag aaaccacctt cgcttgttga tctttgcgta aggaaagcga ttgataatgt 180

aaagtacatt ggatatgttg gtggggttga ttttcagctc cttgagcaga ttctgcaaca 240

ctgtacacta gaacagctga agcacataga ggatgctact gacgacacag atcttagtcc 300

aatcaccgat aagttttgga anggattcta taagaagcac tatggagaag angacatgaa 360

ggatcttata gaggacctgg agtggnataa agtaaatgat tcaaatggag gaacttatat 420

gagttgaagg gtata 435

<210> 13502
<211> 431
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-C10

<400> 13502

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ttccgatgga gcttcctctt ctagccgtat aagtgaggaa gatcgacaat ggtttgtgga 180

agctatgcaa gcacatacaa tcgattcaat ctctcgtatg aaagtaatat ctcaaatcat 240

gaagatgcct gaacaagtct tggaggctca aggagttaca cctgatgatc ttgaaggaat 300

gttggctgag ctgcaggaac acgtcgagtc gatagatttg gccaatgatc ttcactccat 360

tggaggtttg gttcctctcc ttagctatct caagaactct aatgcgaaaa ttcgagcaaa 420

gtctgccgat g 431

<210> 13503
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-H2

<400> 13503

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cacatgaaat gttcanagaa gagacagagc aaaactcagg cagatccctt cttggctctt 120

cgaacctcac caccacacac ctattgcaaa ccctaaccct aatttgagct cnncgtcttc 180

ctcttcaaca acaacagctc atcttgagcc ttccctaacc aaccagagat ccaaaaccac 240

tccttttcct tctgcccggt ttgatctttt ggacagtact actagctatg gaggtttgat 300

gatggacaga gagaagaaca agagcaatgt atgtagcaga gagatnaaga aaagtgccat 360

cgatgcatgt cattcagtaa agatgtgaga taanccgttg ggatctgatg aataaagaaa 420

gaangatnaa atcanggggg ttngagcctg ggataatttg aagaatcccc aaccaaantt 480

cttgaatttg gagccttcga ctaaggctac c 511

<210> 13504

<211> 524
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-F4

<400> 13504

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acacccgtac cacaccacca ccctcctcgt ttcctcagag atcccctctc taacttctaa 120

ggatatagaa aatggcagat ggtgaagaca ttcagcctct cgtctgtgac aatggnaccg 180

ggatggttaa ggctggattt gctggagatg atgcaccaag agctgtattc cctagcatcg 240

ttggtcgtcc tcgacacact ggtgtcatgg ttggtatggg acaaaaagat gcttacgttg 300

gtgatgaggc tcagtctaag agaggtattt tgacattgaa atatcctatt gagcatggta 360

ttgttaacaa ctggggatga tatggagaag atttgggatc acactttcta caatgagctc 420

ccgtgntgca acttgaagaa caaccctgtc cttctcactg aaggntcctc ctnaaacccn 480

aagggcaaat ccgttangaa aattggctnc aanattatgn tttg 524

<210> 13505
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-F6

<400> 13505

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ngacgaatgg gatcttttca ataccggttc agattcctct tcaagtttca gctttagtga 180

ccttacaatc acatccggtc gaaccggaac taaccggcaa attcacggtg gttctgactc 240

cggtaaagct gcgtcttctc taccggttaa cgtaccggac tggtctaaga ttcttggaga 300

cgagagtcga cgacagagga agatttcgaa tgaggaagaa gttgacggag atgaaatttt 360

atgcggcgaa ngtacacggc nagttcaacc gcatgaaatt gcntgcgaaa ccggaaggat 420

ggcctcgttt tcngttcang aaaggtgtgg gg 452

<210> 13506
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-F7

<400> 13506

taacaaagaa aactgagaaa ggttttctta taagatccca ttcttgtagc aaaaacccag 60

aagaacaaac tttcgaagaa gacgactaat caattcatct gattatggag agagnacagg 120

gaatcttcgg agctggtggc ggtttaggtc acgcatcgcc tgattctccg actctcgata 180

catcggagca ggtttacatc tcttctctcg ctctcctcaa gatgcttaag cacggaagag 240

ctggtgttcc tatggaagtc atgggattga tgcttggaga gtttgtggat gaatacactg 300

ttagggttgt ggatgttttt gcaatgcctc aagagttggt actggtgtta ntggtttaaa 360

gctgttgatc atgttttcca agactaatat gctcgacatg cttaaacagn ncgggaagac 420

ctgagatggn gggttggttt ggaannatca caaccntggg 460

<210> 13507
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-F8

<400> 13507

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atcgccacgc tgattgcatt gatctttatc agcaattaga gaagaaacat cnnagtccng 120

gtattcgtcg tcaagcttct gagcttcggt atatcttgca agctcctaag cttaagatat 180

ctcaggagga aatggttact attcccatga tcggttcaag ttacgacagc tatgcagtga 240

catggagtga taaggaaagg gataaggagc ggcgaatgaa tgcatcgact acgaatcagc 300

tcaactcgag tgatgatttt ctaggaaagc tcttggtttg gcgaccggtg gtcggtatgg 360

agaagaaccg agtcctttgg cttgctttga cactgtggtt tggtttgggt tggagcaaca 420

atcatcttac aaaagataag tngaagacat 450

<210> 13508
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-G1

<400> 13508

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ggccgccctt ttttttttt tttggagtta aaatgcnatg aattccaaac cagacaacat 120

tcaaataann canagactaa aaaggctgtt caaacagtaa taattcttgn acatgggnca 180

ctaaaccaga acgataacag gaaacanaga tacattcagt actcattact ttgagggcac 240

ctacggaaag caagtaanac tacaganggt agacgttcca gtgcttaatg atgaaacatc 300

atcagtacaa gcaaacgtgt ttttcatcat acaccgtatc actttcacaa gtggctgcag 360

tcattccgca gcannaggag atttacttcn anaaacagca tcaactttgc ncannagaac 420

aaggctacca gcatatgggg aactctcaan tgc 453

<210> 13509
<211> 522
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-G2

<400> 13509

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ctccgnaaac cntggggaca gaancagctc atgttcaggg tccagtaact acccaaggaa 120

ctgttattat tgatgaagag agtgatgatg atattccttt tgcaccaatg ggacgaagtn 180

ggcaagngng acctgctggt tctgtagcca ataataataa tcaagattac aatgatatag 240

aagaagaaat gatcagagct gccattgaga cctcaaagaa agaggctgag ggatcaagta 300

acccttttact tgaagagagg ccacttcaca tggaagatga tgatgacata gcaatagctg 360

ttacaatgtc attgaagtca gcggaggaag aagttttgcg cagtcaaggg tataangcct 420

caacctccgg aaatangagc ntccgcaatg actgctgctc aaaggnctca aggataccca 480

agnccctgaa cnggaaaatt ggcancacct aattcaccat tt 522

<210> 13510
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-G4

<400> 13510

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tgggataaat gaagcttgca aaaaaaatca tgtagtaatt cataacgaaa tcggtcctgg 120

gattgngggc aacattgcat gccggcaatt cagcccaaaa cgcacacctt caatgtttca 180

caccctaaan tacaaagatc ctttttacat cattgagttc gcggacaaca atcanctacc 240

tcacggtgag aaatggtatt gtctgattag tcacggaaca agaccaaaat attggtttga 300

tattgaagta tatcgtcaag gctattatcc tcgatgtggt cagctacgct catggattgc 360

tanaaaggat gggatttggt ttacaagana attcataatc caccanggca cgtacttgat 420

tggaaaatcc agtaatggtc ctctngcntt aatcnc 456

<210> 13511
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-G5

<400> 13511

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caacacgctt tctctcaacg ggcgacaatg gtcaagtaga cgagcagcag aaccctccag 120

agcccttacc caacagaccc ttgcgagggg agagatcttc caactctcac agagaaccac 180

ccgctagaca agcccacaac cttggaaaga gtgatactac tctgtctgac gatggcttcc 240

tcgaacagtt caagcttgga gtcaatcagg attcacggga aacccccaaa ccggaacaat 300

acccgcanga gcccttaccg ccgcctgagg attccgatga gatcttcaag aagatgaagg 360

aaggaggtct catccctaac gccgtcgcca tgcntgacgg ctctgcaaag atnggcntgt 420

acaagaagcc atgaagcntt tcggatt 447

<210> 13512
<211> 525
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-G6

<400> 13512

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cacgcgtccg ggaattcttt cagccgccgt cccaattgct ttgccgccac cgaagcaaag 120

agtagagaga taatggctga ggaagaagct aagggtttgg attacatacc ggagatagta 180

ctgangaaga ggnngaacag agatgagctt gcctttatca ggaagaagca acttgagttg 240

ggtaattccg gcaagaagaa gaagaaagtc tctgatatca aacgtcctga agattttgtt 300

catgagttca gggctaagga agtagatatg atccggatga agcaaagagt aaagaggcca 360

aagtcatctc ctccaccagt taaatctgac ctggttttca tcatacgcat tcaaggcaag 420

aatgatatgc acccaaagac caagaggatt cttaacaatt tgcaactaaa gagcgtcttt 480

actggtgtat ttgctaaaag caactgacag tttgttccaa aagct 525

<210> 13513
<211> 326
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-G8

<400> 13513

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gcttgtcgcc aagaggacan cccacgagct attaanggta natttcaaag atttctcatt 120

tganagagtc ttgttacctc ttgatatanc tttgacataa gtcaatcaaa ctcgtgaanc 180

ttgtgaatag aaatatgcgt tattgccaat ggggcgacaa anaaggaaat tggccgagca 240

aaagactaca ttgttaagac attgggactg gagcctggtc antctgtgga tttangaact 300

atacacgctg ngtgatttca tganaa 326

<210> 13514
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-G9

<400> 13514

aaaaanaaaa tcaaaacaga agcgagcgaa gaggacggag ggagaggatc ttcttccctc 60

tttctcttat ctactttctc ttctaaatct ctaatctttt gaaaccctaa atcagagttt 120

ngtttttttt tatcaactgg ggaagaagaa aggtgtaacc tttatataac catggattcc 180

ggtgacgcga catctttgct tttgacgaaa attcgaagct tggagccaga ttatgctcct 240

aagattattg ggtatttgct tttacatgat tttggtgata gagacttgat gcatctggct 300

cgtggacctg aatcgatttt gcagtcgact atttcgaaag tgaagagtct cttggggatt 360

ttctccaaca actcgccttc ttctactccg acgtctcctt ctcccgttga atcctanctg 420

gtcgtcctcc tctta 435

<210> 13515
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-H1

<400> 13515

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cttcaagagg taccaagtga agttcaggag aagaagagat ggaaagactg antacagggc 120

aaggatccgt cttatcaacc aagacaagaa caagtacaat actcctaagt atcgttttgt 180

tgtccggttt accaacaaag acatagtggc acagattgta tctgcaagca ttgctggtga 240

cattgttaaa gcttctgctt acgcacatga actgcctcag tatggtctca ctgttggtct 300

tacaaactat gctgcagctt actgtactgg ccttcttttg gctcgccgtg ttttaaagat 360

gttggaaatg gatgacgagt atganggaaa cttgaggcac tggagaagac tttccgttga 420

ccaactgant caaggagacc ttccg 445

<210> 13516
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-H11

<400> 13516

gcgcgatact agcgttggcc aataacaaag tggcagtggt gaaatactct ctattgggtt 60

caattctctc aaaccttctc ttggttcttg gcanttccct cttctttggt ggtatcgcca 120

atatccgccg cgagcagcgg ttcgaccgga aacaagccga tgtgaacttc ttcttgctgc 180

ttatgggcct gttgtgtcat ttgctgccat tattgttaaa atatgcagca accggcgaag 240

tatcgacctc tatgattaac aaaatgtcgc tcactctgtc gcggacaagc agcatagtta 300

tgcttattgc ttacattgct tatctcatct tccagctctg gactcaacgc caattgtttg 360

aggcacaaca ggatgatgat gatgcatatg atgatgangt tagtgttgaa naaa 414

<210> 13517
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-F3

<400> 13517

agattgagag agagcgaana anaaaaaaaa aaagagagag cggagagaag aaaaaaaacc 60

ctagcgtgtt gttcagtgac tttgggggga aaatttctcg tantttcttc gctangtccg 120

tngtctcatc tctttccatt tgtggaattc aatggaagct ttaggttttt ggtgctgaga 180

attctctgtt ttcgaatcta gggtttgtag aggagatcta ttcaattgta gatacgcaag 240

atcgaaacga gtcanaaaac taggagaang agtcatgtcg gattctgata aagagctcga 300

gaatcagatt attgaagctg gggaaaagct tattgacccg ccttcttcac tcgatgaact 360

tctctctttc ctttgacaaa actttcntaa ccctggccgg aagtttaaca atcacctccc 420

cgactcaatt gcanaatgcc actcactccc antgannga 459

<210> 13518

<211> 59
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-B9

<400> 13518

tacaanttgg tttaagaatt cacgttgatc cctgagattg ttnacacatt cagctatnt 59

<210> 13519
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-C10

<400> 13519

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aagcgtccgc ccacgcgtcc ggttgtggag ccgtataaca gtgttctctc gactcattct 120

cttctcganc acacagatgt tgttgttctt ttggacaatg aagccatata cgatatctgc 180

aggggatctt tanacattga naggcctana tactccaatt tgaaccgctt gatctcncaa 240

nncatctctt cgcttacaac ttctctaaga tttgacggtg ccatcaatgt ggacatcacc 300

gngttccaga ccaaccttgt accttaccct cggatccatt tcatgctctc ctcttatgca 360

cctgtgattt catctgcann ggcctaccat gagcagtttt cggtccctga gatnacgant 420

ttcgtctttg gaccctcnna tatgatggnt aaatgtgacc ctaggnatgg nangtaatgg 480

cttgcngttt ga 492

<210> 13520
<211> 538
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-C11

<400> 13520

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cgcgtccgct tnagtctctc ttcagttcct gaccaacacc tttatctcca aacctcaggg 120

tttctgcaac ggaattgtgt cagcaccaag acccagaagc aatttattaa gagacagaca 180

aaatggtgta cganccatca aagttgcgtc tattgagaca caacctttcc ctctgtttca 240

atctcctgct tccgaagaat cttcctcgtc cgagctggag acagcagatc cggatttcta 300

caaaattggc tatgttcgaa gtgtgagagc ttatggagtt gagtttaaag aaggtccaga 360

tggttttggt gtctatgctt ctaaggatat cgaacctcgc cgtcgagcta gagtgattan 420

ggnagattcc nccttggaac tgatgatann cattagacag aagcaccttg gntgttttcc 480

ccngatantg gtccaaattg ggccatccct aattttcgnt anccattaac tcgnncng 538

<210> 13521
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-C3

<400> 13521

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cgggagttga anccacacaa agaacagaaa ataagaaaga taataaaagg aggcaaacac 120

gaagagctca caacaagatt caagattcaa gattcatgct ttcagatttc aactaatcan 180

gtaaangacc actttacctg caaaatgacg agatcgtggg tgcttttgtt tgttcttatg 240

ttcattgtgt tgacttctca gtttgagtgg aatgaacaag ttgagaatga aagtgagact 300

agtagtcgtc ctctgattct ttcagataaa gagcaacaac atatccctca aggcaaagaa 360

tctgtacaag taaagaaaat tctatttcaa gaaaagaaaa ttcagaagtt aaacgagctg 420

gtcccgagat ctaaggangc agttgctaca atgcagaaat gaaaatcang ttgagtttac 480

ngagctagaa accgagcttg atnaacctgc tggg 514

<210> 13522
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-C4

<400> 13522

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agatcggcgc caagttctgg gaagtggttt gcgccgagca cggcatcgat ccanccggnn 120

ggtanaccgg agactcagat ctgcaacttg agcgcatcaa cgtttactac aatgaagcga 180

gttgcggtag attcgttcct cgtgcagtgc tcatggattt ggagcctggg actatggata 240

gtctcagatc tggaccgtac ggtcagacct ttcgacctga taacttcgtc tttggccaat 300

ccggtgctgg taacaactgg gccaagggac actacacgga aggagctgaa ctaatcgatt 360

ccgttctcga tgttgttcgt aaggaagctg anaactgtga actgtctcaa ggggtccaag 420

tttgtcactc gtttgggaag aaggaa 446

<210> 13523
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-C5

<400> 13523

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ccacgcgtcc gagaatacac gactccttga aaggctccct gaacttgtct gcagacgtgg 120

ctcgtatttt cagaaaaatc catctacaga caagctaaca atcatccctg agcttgattg 180

gaaatatttc tgtgacgagt ggggagggct catggagaat ggaatatctg cttttattga 240

ggttggcaat acagaccaaa gttcatcccc agacgtcatt gaccttgaga aggattcttc 300

tccggatgat aatatggacg ttgatgctca acagcttatt ctcagggcat ccccagagat 360

ttgcgaggaa tgcataggag agagagaaag ctgtgagttg atgcagaaac ttagttactc 420

tgagggagat gtatttgtct gttttgtgcg tggaaaggaa gctccaaaag caatgttaga 480

ggcatctgac tctagctttt gaggtggatc ggct 514

<210> 13524
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-C6

<400> 13524

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acggcaaaca acaaatttca tagagaagca naaatggcga aatcactcct ttgttcatca 120

accttaaacc ctttcttctc caccactctc tcctcttcga agaagaacca aattgcatac 180

tngggngggc agcaagaacc anacatcgtc gtctctgtta tggaaaagaa gggaactgtc 240

gcttggattt atgancagct tagttgcgat tggtctcgtg agtaatgaca gaagaagaca 300

cgacgcgaat gcagcgattc ttgaagctga tgacgatgaa nagcttctcg anaaagtgaa 360

gcaaggatcg gaaaaagagg attgacagac atgctgtncn taattctgct gtcaangaaa 420

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atgatcncca ctcangtttg gttttgggg 509

<210> 13525
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-C7

<400> 13525

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ccacgcgtcc gctnttaaga ccaaatctct ctctacctct atctctctct ccgccattac 120

cagagctcaa cgagctctca ctttctttac gcacacttgt tggaacgaaa tatattcata 180

gngaaganga atctcgaaac tcttgaatct aaaacaactc ggagactctg ttttcccttt 240

ccggagatca gatcggatca agatgcagac aaccaacggc tcagattcga cgttggcaac 300

ttccggagcc acaccgccga atcaacaaac ccctcctcca cctcagcagt ggcagcagca 360

gcaacagcaa cagcaacagt ggatggctgc catgcaatat ccaccaagcg gcggcgatga 420

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gnccttatca gcagcatcat cctcaagctt caacaat 517

<210> 13526
<211> 515
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-D12

<400> 13526

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cccaagcgtc cgcccacgcg tccggtcaag gtttgtgatt ttggtctctc gcgattgaag 120

gccagcacgt ttctttcctc gaagtcagca gctggnaccc ccgagtggat ggcaccagan 180

gtccngngag atgagccgtc taatgaaaag tcagatgtgt acagcttcgg ggtcatcttg 240

tgggagcttg ctacattgca acaaccatgg ggtaacttaa atccggctca ggttgtanct 300

gcggttggtt tcaagtgtaa acggctggag atcccgcgta atctgaatcc tcaggttgca 360

gccataatcg agggttgttg ggccaatgag ccatgggaag cgtccatcat ttgcaactnt 420

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taanataccc cggtcattca aagtttgttn ttatt 515

<210> 13527
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-D3

<400> 13527

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ggtaaaaaag tcattctctt tggtgttcct ggtgctttca ctcccacatg cagcatgagc 180

catgtgcctg gattcattgg gaaagcagag gagctgaagt caaagggtat cgatgagatc 240

atttgcttta gtgtgaatga tccatttgtg atgaaggcat ggggaaagac ataccaagag 300

aacaagcatg tgaagtttgt ancagatggg tctggagaat acacacatct tcttgggact 360

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gttgccttga taacct 436

<210> 13528

<211> 126
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-D5

<400> 13528

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aaaaaaaaaa aaaaaaaaaa anaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaan 120

gggggg 126

<210> 13529
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-026-Q1-E1-E1

<400> 13529

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cttcaaagct ccggagagag cgaagatgac caagctcagt cgtcgtctcc gtatatcatg 120

cgtcgcgcag aacgcagagc caggtcgcga ttcgggtgag agtaacgggt cggatcgttt 180

tcgtgggtgg gctgattcgg gagacgatga gaacaattct cgcggtggcg attggtttaa 240

aggaaccttg ttatctggag ttgctggaat ggttttgttc gttgggctaa cttacgcagc 300

tttatcttcc aaacgcaatg tcttaagacc aaaagtagaa gtgatggtga ccacagttac 360

taaaagttca attgatcaaa tcagcacgga tgagaatgaa gggaatattg tgactagtca 420

agataacaag gaaagctata gaaa 444

<210> 13530
<211> 541
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-E11

<400> 13530

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ctcgggtcgg atcttctaag tctagctagg gataatggct actgtcacta ctcatgcctc 180

ggcctcgatt ttccgnggtt gtanttcaaa gccaagattc ctcaccggtt cttccggtag 240

gttgaaccgc gacttgtcgt ttacatcgat cggttcatcg gccaaaacgt cgtcgttcan 300

ggttgatgct aagaaaggag aatggttgcc cggtttggca tcgcctgatt atctcaccgg 360

cagtcttgcc ggtgacaatg ggtttgaccc gttgggtcta gcagaggatt cngngaactt 420

gaaatggttc ctccaggcca gagctggttc ancggncgna tgggctatgc tccgtgttnc 480

ttgggatgct ttttgcccgg aagtttcccc anggattggg natcnnnaaa tgtttcctgt 540

g 541

<210> 13531
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-E12

<400> 13531

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tcnatcatct tgtatttcat ttcaaccact cattgttttt agtttgtttt acgaagaatc 120

aactatggcg acgangagaa gcgttggaac tttgaaggaa gcggatctga agggaaagag 180

tgtgttcgtg agggttgatc tcancgttcc tttggatgat aactctaaca tcaccgatga 240

caccaggatt cgtgccgctg ttcccaccat cangtacttg atgggtaatg gntctagggt 300

ttgttctctg cagtcacttg ggccgcccaa aaggngttnc ccctaagttc agnttnaang 360

cctcctgtgg ccaggnttgn c 381

<210> 13532
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-B8

<400> 13532

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cgcgtncggt caaggattct gattgataac gatattcaag ttcagcaatc tcattgcagt 120

agaaaatgga atcgaatcat cctcacttca agctaatttt gggatcttct tcgattgctc 180

gacgtnngat actaacagat atgggatacc aattcactct catgagtgct gatattgatg 240

agaaaagcat ccgcaaggag aaacctgaag agttggtttt ggctttagct gaggcaaagg 300

ctgaagcaat catgcagcgg atccctgatg gtgaaaacat agaggaggat aagtcgacct 360

tacttattac ttgtgaccaa gtggttgtct atgaagatgc tgttagagag aaaccctcga 420

gtgtcgaaga agcaagggag tacataagan gctattccaa ggggcataca gcaacagtga 480

gttctgttgg ctgtgacaaa tctcaaaaca ggna 514

<210> 13533
<211> 334
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-H8

<400> 13533

ggtgttgaan ccgccnagaa gaagaacgcc nagaacaaga ancttatctt caaaagagcc 60

gangcaatac tccaangana tatgccnaga aggagaanga gttgatctcg ttgaaacgcg 120

aggccaanct taaaggaggt ttctatgttg accctgaagc taaactcttg ttcatcatcc 180

gtatccgtgg gatcaatgcc attgacccta agactaagaa gattctccag ctccttgcgt 240

ttgagacaga ttttcaaagg gtgttttcct taaagtcaac aaggntacca tgaacatgct 300

tcnccgtgtt tgnagcccna nntcacttac gggg 334

<210> 13534
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-A1

<400> 13534

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cgtccgctnt gggaaagatg gcagtcaaaa actgaaacac gacaaattca ctaagtttat 120

gaaagatcta actgaagaga tgctgaggct ggagtttgca cattatgact ataaacgaag 180

aggaagtata tcggccaaag attttgcatt gtcgatggtt gcagcggctg atgcaagcca 240

tttgagcaag ctgcttgata gagttgagag tctgagcgaa cacccgcatc tccgggacat 300

gcgtatctca ctgaaggaat tcaaacagtt tgatgagcta cgtagtaaac ttggaccatt 360

ctctctaacg ctttttgctt atggcaaagc taatgggtta cttacaatga aagattcaaa 420

cgaaccgcct ctcaagtatg tggaataaca ntgtcagaca atgtgataga aantgcgttt 480

caagtgttga cccaaacaag atgggaaatt t 511

<210> 13535
<211> 551
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-A11

<400> 13535

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cccacgngtc cgaaaaaaaa acgaaagcgt tagatatttt ttatcaatcg tgctccgtaa 120

tcattacctt tcttcttcat cttcatcttc acgcagcgac ttctttgatt ctctcttttt 180

attctcagct ccaatttnaa cctgcatttc tctcttctca attttgggtt tctttttttg 240

atatctcatt tgatcagatc gacgaagaga ggaagaaggt ttgagctgag agatctttgg 300

aggtagaaag aagatctcaa aaacgatgtc gtttacagga actcagcaga aatgcagggc 360

gtgcgagaag acagtgtacc tgtggagctt ctctcagctg atggaatccc ctatcacaaa 420

ggcttgcttc aaatggctct cactggnaaa angcagactt naaactggag caatttatcc 480

ctcaantggg aagggattgg gggtaattgt ngggccccaa ttttgggcaa nctttttcaa 540

gggggtccgg g 551

<210> 13536
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-026-Q1-E1-A2

<400> 13536

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gaatatgcat tgttaacact tgaacattgg cctgatgctc cagaaattca acgatcagtt 120

gatttatatg aagatctgat tagatgctgt gttgcagatg ctatgagtga ggtgcgggca 180

actgctagaa tgtgctacag aatgtttgca aaaacttggc cggatcgttc tcgccggttg 240

ttttcgtcct ttgaccctgt cattcaaagg ctaataaatg aagaagatgg tggaattcat 300

aggagacacg cctcaccatc tgtccgtgag agacattccc agccttcatt ttctcagacg 360

tctgctcctt ctaacctacc tggctatgga acatcagcta tantcgctat ggatagaagt 420

tcaaanttta tcatccng 438

<210> 13537
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-A3

<400> 13537

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gcaagcagcg gcgcagaagt tgaacacaag tgaagctcac aatggcgagg attaaggttc 120

acgaattgag ggagaagtcg aagagcgatc ttcaaaacca gctgaaggaa ctcaangctg 180

agctcgctct cctccgtgtc gctaaagtca ccggaggtgc tccaaacaag ctctctaaaa 240

tcaaggtcgt gcgtaaatcc atagctcagg ttttgacagt gtcttctcag aagcagaagt 300

ctgctctaag agaagcatac aagaacaaga agttgcttcc tcttgatctc cgtcccaaga 360

agacccgtgc tattcgtaga cgcctcacca aacaccaagc ctcgttgaag acagagcgtg 420

agaagaagaa ggagatgtat ttcccaataa ngaagtacgc tatcaaagtt taaagtttta 480

gctgctanaa acactgtttc aagct 505

<210> 13538
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-A4

<400> 13538

aaagtcagca gttgattcta ggacggcgac ttgacttgac acctgaaaaa tccttaccgt 60

gtttgatagt ttttcgaaaa cccttcaaat tgtttcattt tttttaagtc ttgagacttt 120

aaaaaatcct cgcttgctct tgttttaggt ctcctgacaa ggaaaaattt ggaaacttgt 180

gggagttgat tgataagagt tgttaagatg gcaaatgatg cggctgcatg tgcagaaagg 240

gctacaaatg atatgctgat tggtccagat tgggctatta acattgaatt gtgtgatctt 300

atcaacatgg atcctagtca agcaaaagaa gctgtgaagg tgctcaagaa gcggttagga 360

agtaaaaact ctaaagtcca gattcctgca ctttatgcat tgggaaactt aaagtaaaga 420

attgtggcga aaacgtgtac aanct 445

<210> 13539
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-A6

<400> 13539

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tgtgtctgag ctcgaactta aagaaaaaga atctcaccat gtctttagct cngagcagtt 120

atccatctct gtattcttcg ccttcactgc caagaaccca gcaaaccaag caaaacccta 180

gtttgatcac tcaatccagt ttcatttccg ccaaaagtct cttcctttcg agcaattcgg 240

cttctttatg caatacccat gttgccaaac gccggaattt agctttgaag gcgtcggaga 300

cagagtcttc agctaaagct gaagcaggag gagacggaga agaagaagag aagtatgaaa 360

catatgaaat tgaaagtgga gcagccttat ggtttgaaat tcangaaagg aagagatggt 420

ggcacttaca ttg 433

<210> 13540
<211> 111
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-A8

<400> 13540

gannncccatt tcaagatttc atcctccgga gtgtttcaac gaagcttggg tacataaggt 60

ctgatatgan aggtttcgtc atagcttgtc ttctanggta ngtttcctca c 111

<210> 13541
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-B1

<400> 13541

gctcaaacaa agaaaacgat tacaaaagag aagaggtatc aaaaagaaga ccagaatctt 60

ttaacatttt gaaacaaatg gcgtccaaag ccatcttctt cttctttgtc tctgccgtgt 120

gcctgtcctc tctcgccggt gtggccatcg ctgatgccga tgactttgac cgtttccaaa 180

ttcagggatc ggtttattgt gacacatgcc gtgtccaatt cgttacccgt ctcagcaagt 240

tccttgaagg cgcgaaagtg aagctagaat gcaggagcag aacaaacgga accgtaacat 300

tgacaaaaga agccgtaacg gacaaaacag gggagctaca gaatggaaat tancggtgan 360

catgaaggan gaaattttgc caagcntgtg ctcgtccaat caccagacag tngttgcant 420

gacgttanca aagangctta c 441

<210> 13542
<211> 534
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-B11

<400> 13542

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cgcgatttca gcaaaatcaa atcggattca gtgatcaaaa gtcaatttgg tcgagaagaa 120

attgagcgtt gaagatgacg gaggcgatga taagaaataa gccaggaatg gcgagtgtga 180

aggatatgcc gctgcttcag gatggtccgc caccgggtgg gttcgcaccg gtccgatatg 240

cccgccggat atccaatacg ggtcctagtg caatggccat gttccttgcc gtttctggtg 300

cctttgcttg gggaatgtac caggtcggcc agggaaacaa aatccgcagg gcattgaagg 360

aagagaaata tgctgctcgt aaacaatact tcccattctt caagcagaag aagatgaaag 420

gtttgtgtct gaattggaaa aagtntcctg gaatatgang ctggatgtta ntgaaangat 480

nttccgggga tggaaanttt ggccaaaatg ttttcaantc cnggnncncc ggna 534

<210> 13543
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-026-Q1-E1-B3

<400> 13543

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ttttatcgaa gaaactcttc aatatcacga atgttgcttc acagagtctt atgaattgtc 120

gcatttcgtc ttcttcgtta gccgtacgaa ccagagttcc gaatgattca acagatacaa 180

ccaaaatcgc accggagcct ggagatttgg cgatgtcgcg aaggttcatg cataacagtg 240

ctatgattag gccggcggag attatgcaga tgccggtggg agagagtttg attgagaaac 300

tccgtgagat tgatggaagc aaggatcgga ttcgattaga cggactttct ccgccggaga 360

aggagacgag tttgacggtg gcggatacga agaaactgct tagagcgggg caaatcgaga 420

ttgtgaatcc aaac 434

<210> 13544
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-B5

<400> 13544

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cgnccggaaa atatcacagc aaaaattttc tcgagaaaat ccgaagaaga caaaaaaaat 120

ggcggatcag ctaaccgatg accagatctc cgagttcaag gaagctttta gcctattcga 180

canagacgga gatggttgta tcaccacaaa ggagcttggg actgtgatga gatcacttgg 240

gcagaacccg acagaagccg agctccagga catgatcaac gaagtggatg cagacgggaa 300

cgggacaata gatttcccag agttcctgaa cctaatggca cgtaagatga aagacactga 360

ttcagaggaa gagcttaagg aagccttcag ggtttttgac aaggaccaga acggtttcat 420

ctcggcggct gagcttcgtc acgtgatgac aaatcttggg gagaagttga cggatganga 480

atcgatgaga tgatccgaga ngctgact 508

<210> 13545
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-B6

<400> 13545

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ccacgcgtnc gatacaatgc aacgaatgtt gatgaaagca agccagatcc aaaacttgag 120

tgcttcaaaa actgttccat aagttgtggc aaacaaaacc aaccttgtta cgaagtttgt 180

ttgacgaaat gtggtctccc aaaacgtcct tctacatcaa caccatcatc ttcctccacc 240

acggcgtaat aagtttccat ttgtgtgaaa ttgtgtgtct tttggtttat acgaagtttt 300

aatcttaata ttgatgtgcc aacaatgccg tgcccaggct tataagggct taagacgaag 360

ttgaattttg gagtctttcc aatataattt ttatttaaat aaaaaaaaaa aaaaagggcg 420

g 421

<210> 13546
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-B7

<400> 13546

ggggnngnaa tgtttnttcn ccntgcncgg ancaatccnc cattcgcggg tcgccccacg 60

cgtccgctat attctccacc tcaaaggacc atttctcatg gcttctgttc cggtgagacc 120

tctacctctt cttcgccgga acatcacctc gacgacggct tcgaaatcat ctccaatgct 180

cgccaacgnt tcgagccggc attctctcgg gatctctacg tatgatgaat ttttgaagca 240

aataaaaact ccggcaactg tgaaccaccg gcggcgagta agtacggtgg tggcgtcggc 300

gggaaacttg acggcgccgt cgtgggattc gtggaagcct gataagacgg cggcggctac 360

ggctcttttg ctgagtgacg tcatatggcc tgctgctgga gcgtttgcgg caatggcatt 420

attgggaaga atggatnaaa tgctatctcc gaaaggattt caatgtcagt tgcaccactt 480

ggcgcantct cccgccattc ttttcatc 508

<210> 13547
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-H6

<400> 13547

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aagaaataag taaataaaaa ttcctccttt ttctggncat tgcttgtcta atgccaattc 120

ctaaattggg ttctcttcat ggntgattcn tctctcattc cagngggcat gggagctcag 180

aagaatatcc acgctggnng agccaanatt gatgttaatg tggacttcac tcacaaactt 240

tgtacttcnt taatgtttcc tgctttcaag gacactagca atcctctttc tctagtgatt 300

ggcancctct gtatcaaaca tccaaatttg tttggaggaa gcgagaagct tgatgtatca 360

tgggataaag gattgtatga ttccaatgta cttgtggctt ttangagacc tagacctgaa 420

tggcgtccac aacagtgttt cttcatacag cattctctct caaccgagat aaggggtcca 480

cggnaaccca at 492

<210> 13548
<211> 72
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-E3

<400> 13548

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ngatgcagtg gt 72

<210> 13549
<211> 537
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-E7

<400> 13549

ggttaaaagc aattncnncg cgnntctacc ggtannngntt cccgggcngc cccacgcgtc 60

cnaaaaaaga ggagaatgaa gaaaccatga cactaacagc tgaacaacaa aaggaaatca 120

aagaaggaat cttgaaatgg gaaaccatta ttactcggat cacaaacaca atggtatcgn 180

gcacatcaac ctctgcttct tccagtgaag agtctagtgt tgggaaagaa agtgagactt 240

ccgctaaagg tgaaagtgag acttccgcta agaatgaaag taagacttcc gctaaaggcg 300

aaagtgagac ttccgctaaa ggtgagagta agacttccgc taaaggagaa agtgagactt 360

ccgctaaaag ggtgaaagtg anactttccg ctaaaggttg aaaagttgag acttccntcc 420

tttnaaaaaa ctgccgaaag cctaggtcna gaagcannca gtttaacnag ttgaccacaa 480

agtnggangg nagatacggt caaanagatg ttttcgnaca tttccataaa ttgaanc 537

<210> 13550
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-E8

<400> 13550

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tcnagttgag agtacctcaa acaaaaaaaa attgaaaacc aaattagggt ttttaatttc 120

cagattgttt tgtttatttg aataaatctc cgcaagtttc aattaggttg caaaaannga 180

ngaaattttc ttcgattcaa aaaaaatggg aaaattttgt tgcttcactt ccgcttctga 240

ngttgtggga ggacaatcat catcacgatc aggtaaagga agaagtgatg aanggatgat 300

caagtatggt tttagtctag tgaaaggaaa agctaaccat ccaatggaag attatcatgt 360

tgctaacttt atcaacatcc aagaccatga attggggtct ttttgcnatt tangatggtc 420

atatgggtga tangtgtccc tgcgtacttg cagnaaacgt cgcntcgnca agnatccntt 480

aacggaggga aaatttttgg ggttggatcc tccnag 516

<210> 13551
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-F1

<400> 13551

aaaaatcaaa aaaaaaaatc aagaacaaat cgaaatctca actctgtgaa aacctcgtcc 60

ttgttcttct tctgcttctc ccattccttc gatttttgct tcaatggatg tttgatttgc 120

tctctgactg cgtttggtga gcaacaattt actatactat ggaccctgag agtatcatgg 180

ctgctgatgg gactgattct gctcctgcaa atggtggttt agcaatggaa aatgtatgtg 240

ttaaagaaaa tggggctgtt tctgtcgaaa ccgtggacac tacttcagaa agtcagaatg 300

agaattcggc aaacagtttc aactttggat acaattgaca actnnaaggg aggaanttga 360

ggnacacaag ttnaacatgt ngatgaatca aaatgtatgn aaagggaaaa aactcaaacg 420

gaagcaangn atgagaaact a 441

<210> 13552
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-F11

<400> 13552

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ctgaggacga accttatccg tcacagtggc aatggaggac aaatcaccga cgttanngat 120

ttctgaagat ttatcccgga aaataatctc tcttgccgcc ggtgaagctc atacaatcgc 180

tctgaccggc gatggatgtg tttactcatg gggaagagga atgtttggcc gtctcggtac 240

gggtaaggag tcggacgagc ttgttccagt tctagtcgag ttcccaaatc aagcggaagg 300

agatcggatt cgaatcgttg gtgttgctgc tggtgcttac cacagtctcg ctgtctcaag 360

tgggttcctc ctattcatat gtctaaattc cnctttccna ttaacntgtg ttgccgaatt 420

taccataatg anttaatttg agaaantggt gg 452

<210> 13553
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-F7

<400> 13553

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gtccncgata atggcgactc agatctgaag ataatctctt cttcatttct ggtgggcaaa 120

atctaaagct tttcgaattc ggagctagag aatttaaagg aatccaatgg atgatttcac 180

aggattgtta gcgagagact tcggattgaa acctcaggga aaatcagctc ccatggcgtc 240

tcaatcgaac tcttctgccg ctgatttcaa cactttcgct tcttcttata gcttcgccac 300

cgccgccggt aaaaagtccg attctttgcc ggtgtttgac gatcctggtc gagatggtga 360

tgatcttctc ttcaaagatg tgtttagtgg accaccacca ccaaagtacg gatcttcttc 420

tgggtgattc acgttctcca tctgctcctg gcttttgact atgatgcaat gtcaanggaa 480

ccaaatcaaa tcacgtcgtc aatgg 505

<210> 13554
<211> 168
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-F8

<400> 13554

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gtcacgaagc aanctcttcc cttagacncc gatcttacac ctaaccacat gcttcgccgt 120

cttatccaac actggtgcgt cgangaacga gacacgtggn gttgtcag 168

<210> 13555
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-F9

<400> 13555

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ttctacagag agaaacaaag atcgagacan nggagaaacc cttaaaggat ttgaacggag 120

aagacgagga aaaacaaaga cacaactcta acctttagag agagaaaaac aaatgtcgtt 180

ccgtagcata gttcgtgatg tgagagatag tataggaagt ctatcgaggc gtagtttcga 240

ctttaagtta agcagcttga acaaagaagg tggtaaatcc cgtggttcgg ttcaagattc 300

tcatgaggaa caacttgtag taacgattca agaaacaccg tgggcgaatc tacctcccag 360

agttantacg tgatgtgatn aaaagacttg agagaatgna agtgtgtggc ctgcncgtaa 420

catgtttg 428

<210> 13556
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-025-Q1-E1-G11

<400> 13556

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gaagaatact gtaacgatgg aatcgaagaa caagtagagg atgagaagct tccgttagag 120

gttgggatgt tctattaccc aatgactccg ccttcgttca ttgtttccga tgctctggag 180

ccagattttc ctttgatcta tgtcaacaga gtcttcgaag tcttcactgg ctatcgtgcc 240

gatgaagttc ttggtcgtaa ctgtcgattc ctacagtaca gagatcctcg agctcaaagg 300

cgtcacccat tggttgatcc tgtggttgta tctgagatta ggagatgtct tgaagaaggt 360

attgaattcc aaggagagct tcttaatttc agaaaagatg gtactccttt ggttaacaga 420

ctacggcttg ctccaatacg tgac 444

<210> 13557
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-G12

<400> 13557

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ggaaggaaga agaagaagaa gattctcgct ctcctctcaa cagctagctc tcctcttact 180

tttactctcc ttcttcctct gcttctccgt cgcgtctcct cgagctatat ctgattcgga 240

tctactggat gaaacagtcg ccaactcctc ctcttccgtc gcatctctca acgcttcttc 300

ttcttcttct cttgttaagc ctaaggaagg tagcttcgcc gacatcatcg atcgtgctct 360

tgaaaaagag ttcaatgaaa gcgaccaaga atgaagtggc tgattctgga aacntcaata 420

acagtgtanc tggacaacaa 440

<210> 13558
<211> 221
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-G3

<400> 13558

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tgtgccattg caattttctc gaganagtga cggacaatgg ctccgcanct gcaaanttga 120

gattcggant ctcccttctt tcgtcactct cattcattct cgcctgtatc aggcgtacac 180

gcggtgttan canctgttgc ttatatttga accatggggc a 221

<210> 13559
<211> 315
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-G4

<400> 13559

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cctcnttcna naaatnccca caaacgcggg actgcctcca atggccntgt ttcncaatat 120

tttactacaa aaccntttgc ttgtgatccc tcaagcttgc caatataccc acctagcaag 180

gagatagata caaagcatcg ggacgaagca gcaaggaaaa aaattancgg gaatgggaga 240

cgtggtatag attcgaggaa gccatcaagg aaaggccatt cattcaataa attggcacca 300

gatgtgcngg cacaa 315

<210> 13560
<211> 185
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-G6

<400> 13560

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taagttgaac ggangaggag ccttcgacgg tgaaggcaat gcagcttgga gagtcaataa 120

ctgtcacaag actttcgagt gcaagaaact tcccatcagt ntaangtttg acttcatatt 180

gaact 185

<210> 13561
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-G9

<400> 13561

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gaagctcgga ttttgcagtc ttcttcttcc tgttattcgt ctctttacgc tgtcaatcga 120

tnccggttct cttctgtgtc atctccgaaa cctttctccg tcagctttgc tcagacgacg 180

agaacaagga ctcgtgtatt atccatgtcg aagaaagatg gtcgcactga taaagatgat 240

gacactgata gtctcaatta caaagattct ggtgttgata tcgatgctgg tgctgagctt 300

gttaaacgaa tcgcaaagat ggctcctgga attggtggat ttggtggtct ctttccatta 360

ngtgatagtt atcttgtagc tggtacggat ggtgtaggga ctaaattgaa attggnaatt 420

tgaaactgga attcatgaca ccaattggaa tcga 454

<210> 13562
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-H11

<400> 13562

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gtcaaccgtg acttcaaagg agcttggatt cctcacctcc cagctcagcg gcttangaat 120

ctcatatact cccagtgacg tcatcaaccg tatctccctt ccttcgttcc ccgggattca 180

gccaatcgtc gcacgtagaa tctgcccttt tactgggaag aaagcaaaca gagcaaacaa 240

agtttcattc tctaaccaca agaccaagaa gttgcaattc gtcaacttac aatacaagag 300

agtttggtgg gaagctggca aacgttttgt caaacttcgt ttatcaacta aggntttgaa 360

gaccattgag aagaacggac tcgacgctgt tgccaagaaa gccngcattg atcttcgcaa 420

gaaatagata tgatgattgc aaagtttatt 450

<210> 13563
<211> 325
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-H4

<400> 13563

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gagaatcngt tctaatgnta tcagcagtga anaagctaca gaaaatcaca agtnagaang 120

tgcagctaat actcaccaac aaaccangac tgntatacgt tgacccatca aagcttgtag 180

taaaagggaa tattatctgg tctgataact ccaacgacct caacgttcaa gtctcaagtc 240

cttcccattt caagatttgc acacccgaaa gaaagtttta tcgtttgaag atgcnaagca 300

aagagctttg cagtggaaaa angca 325

<210> 13564
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-E2

<400> 13564

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gagttttgga gaatggtgtt tttccgcagc gtatcggcct ttactaggct gaggtctcgc 120

gtcggccaac aatcttcact cagcaattct gtcagatgga ttcagatgca gagctctacc 180

gacctggacc tgaagtcgca gctgcaagag ttaattccgg aacagcagga ccgtctgaag 240

aaactgaagt cagaacatgg gaaggtccaa ctgggaaaca tcactgttga tatggttatt 300

ggtggaatga gagggatgac tgggattgct ttgggaaacc tcattgcttg anccggaaga 360

aggtattccc tttangggaa tgtcgattcc ctgaatgcca aaaaagtata nctactggcc 420

antctggaac tgaancanta c 441

<210> 13565
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-D10

<400> 13565

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aaactactcg aatacaatct ttcagcttca taatatcaga tcttttgagc ttaagngaaa 120

aaagaaaaaa aaaaaaaana aaaaaaaagg gcggccgctc tagaggatcn aagcttacnt 180

acgcgtgcat gcnacgtcan anctcttcta tagtgtcacc taaattcaat tcactggccg 240

tcgttttaca acgtcgtgac tgggaaaacc ctggcnttac ccaacttaat cgccttgcag 300

cacatccccc tttcgccaac tggngtaata ncgaacangc ccgcaccgtt ggcccttccc 360

aacagttgcg catcctgaat ggcnaatg 388

<210> 13566
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-D12

<400> 13566

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anttctntga caaggaagga tatcccttta ggtggattct tgtttaaatt taaanatnct 180

caaggagaag aagaagaaga agaagatagt caaatganan tacattcttc tgatcattca 240

nggcttttac tagccgttct cgtgattctc ctctccttct ctggagctct ctcaagcgat 300

nacaaagaga agaagacgaa atcggtcgat aaaaagaaag aagtaactta tgatggaacg 360

tctttgatca tcaatggaaa tagagaactc ctttactctg gctccataca ttaccctcgt 420

agcactcctg aaatgtggcc aaacatcatc aagagaacga aacaangngg tttgaacacg 480

attcaaacat acgtttttg gaacgttcaa 510

<210> 13567
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-D4

<400> 13567

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ttcctcctcc aaatcaccat taccaatctc cagattctcc ctcccattct ccctaaaccc 120

caacaaatca tcctcctcct cccgccgccg cggtatcaaa tccagctctc cctcctccat 180

ctccgccgtg ctcaacacaa ccaccaatgt cacaaccact ccctctccaa ccaaacctac 240

caaacccgaa acattcatct cccgattcgc tccagatcaa ccccgcaaag gcgctgatat 300

cctcgtcgaa gctttanaac gtcaaggcgt agaaaccgta ttcggcttac cctggaggtg 360

catcaatggg agattcacca agccttaacc cgctcttcct caatccgtaa cgtccttcct 420

cgtcacgaac aaggaggtgt attcgcaaca aaaggatacg ctcgg 465

<210> 13568
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-D6

<400> 13568

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tactcgggaa cttgccagtc aagctgcggc agaggcaaat accttactga agtatcaccc 120

ctctattggt gttcaagttg tgattggagg cacaaagctt cctacagagc aaaggcgtat 180

gcaaacgaat ccttgccaga tccttgtggc tacacctgga aggctcaaag accatattga 240

aaacacttct ggattcgcaa caagattgat gggtgtgaaa gtccttgtgc ttgacgaaag 300

ctgatcatct cttggacatg ggtttccgaa gggacattga gaagataaat gcccgctgtt 360

cccaaacaga gacaaacatt tttaatttcc gccaccgtac ctgaagaggt tactggtcac 420

nttccaagta cnaaaggctc ccaatttttg gggttgggaa 460

<210> 13569
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-D7

<400> 13569

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acaccaacaa ataccagatc tgcgaggaga tcggccgtgg ccgtttcggc accgtctctc 120

gcgtctacgc tccggccacc ggtgatttct tcgcttgcaa aaccatcgac aaagcctctc 180

tctccgacga ccttgaccgt gcctgtctcg acaacgagcc taagctcatg gctctcttgt 240

cctatcaccc taacatcgtt caaatccatg atctcatccg acactgattc gactctctcc 300

atcttcatgg agctcgtcca tccctctgtt tcgatntacg aacgtctcgt ctcttctgga 360

aacctccttt gagcctcaga cggngtcgtt cgntaaacag attctccaag cgcttcgcaa 420

tgtcacggat acggcgtcgt caaagggata tt 452

<210> 13570
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-D8

<400> 13570

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gtcaatatca ctgactcttt cacttttaca ggtcccagga tcttcaaaga gaggaacaaa 120

aagaaaatca gatttcagtt ttttttttttt tcatttctaa cataacattc cttggtccga 180

tttattcttt ttttcaagat catgaanact ancagcgaag aacagatgat aanactgttt 240

ggaattcctc tttcngataa acccagatgg caacaanttc ncatctgttc ttctggtttc 300

ttcnttggtn acctcggnna ctgggntctg cgaaggaata tgttgtacan acgggcttan 360

aggcaggtta tgggatggna tntcacggtt ntgcncaaag gattgggngn acattgcctt 420

gattna 426

<210> 13571
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-024-Q1-E1-E1

<400> 13571

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aaaccattct cttttagaag aaacagcttc agattttcca aaaagcttcc ttattattct 180

cagttttcct cagggaagag agctctctat tgcacttcca gttcccagga aagtaccgtc 240

gatgaaggcg agacatttgt cctcaccact cctctttatt acgttaatgc ccctccccac 300

atgggtagtg cttacaccac tatcgccgcc gattcaattg ctcgtttcca agagactgct 360

tggtaagaag gttatcttta tcacaggaac agatgaacat ggtgagaaga tagctacttc 420

agcagctgct 430

<210> 13572
<211> 554
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-E2

<400> 13572

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agcaaggttt ctcgcgattt tctcgatatc tctcgcccat ggcgaaacca agtcgtggcc 180

gtcgttcccc ctccgtgtct ggctcgtcat ctcgttccag ttccagatct cgttcgggtt 240

cgagcccctc caggtctatt tcccgctcac gctcccgttc tagatcgctc tcttcatctt 300

catctccttc gcgaagcgtc agttctggga gtcgcagtcc tccacgtcgt ggaaaaagtc 360

ctgctgggac ctgctangcg aggtcgctct cctcctcctc caccatctaa agggagcatc 420

ttcaccttcc aaagaaagct gtncaaagaa tctcttgttc tccaatggtt ggattctcct 480

taacanggaa atgtgaatga aagnccatct caaangaaaa tccttgggaa actttgggtg 540

aagttnntac aatg 554

<210> 13573
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-E3

<400> 13573

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aaaatgcggg tgcttggttt gagctcaagc ttatgctctg gtgaggataa ggaagaagaa 120

gagattaatg gagaaggctc tctcacgcct gtttatctca acgtctatga tctaactcct 180

gtcaacaatt atctctattg gttcggcctt ggcatatttc actctggcat tgaggctcat 240

ggtttcgaat atggatatgg agctcatgag tattcgagca gtggggtatt tgaggttgaa 300

cctangagct gtccaaggtt tcatctttag gcgctcagtt ttgttgggaa ccaccagcat 360

gtctcgctct gatttccgct ccttcaagga naagctttcc gagaaagtat catgggggac 420

acataccatt ttgaattgcc aaaaaactgt taccatttca ctng 464

<210> 13574
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-E5

<400> 13574

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tgattgcaga ctgtgattcc tccactcctg ctgaaactag tgcaccgttc atatacgaac 180

agccaaaacc caggcatgag aggggaagcc ctagtcagga cacggcgtgg ctgagatcgg 240

tgtgctcaga taacccgcat aatcagctga aaaggtcagc gagcgtagct gatgcattcc 300

acagagagan gcaagttgaa atatgtgcag tggagatgga gttgggaaag gggttcacca 360

aangaacctc gtttcnaaga actaganagc aattgtgaga atgaaacaag cagangcaag 420

aatgttccaa gggcgggc 438

<210> 13575
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-E6

<400> 13575

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aaataattaa attggtgata taattcatat gtatgataat tttaaagatt gcaagcataa 120

gaagtaggat tagagatgag gagagattat tagggagcga tctatcgcta gcaatgatga 180

cgacgactgt cagatcggaa aagcagcaat cggacggtgg aggaaatcga gtggtgggaa 240

tggcagcatc atcaggattc tctcctcaac cttcccctta ccgcattccc tcgcaccttc 300

cacttctcct cgtccctgat tcatcatcat caacatcaac tatcatcaca atcancatct 360

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tnggnctcng ttaaaccata anatgtg 447

<210> 13576
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-E7

<400> 13576

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gaagatcaaa agagaagcag atgcttggcc tcatcaaatg gctggaatta gaagaccaat 180

gtcgggtcct cccggaaccc tcaataccat tacgccttgt gctgcctgca agcttttgcg 240

ccgtagatgt gctcaagaat gtccctttc gccatatttc tccccacacg agcctcataa 300

gttcgcttcc gtccacaaaa gtcttggagc tagtaacgtc tccaagatgc taatggaagt 360

acctgagagc caagagagca gatgccgcga aaaacccttg tgtatgaagc aaacgtgang 420

ctaagagatc cggtgtacgg atgcatgg 448

<210> 13577
<211> 53
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-E9

<400> 13577

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<210> 13578
<211> 539
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-F1

<400> 13578

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tcgncccacg cgtccgccca cgcgtccgaa aatggttcat gtgtcatcat ctcatggagc 120

caaagatggc tctgaagaag cctatgatta cagaggaaac ccaccagata agtctaaaac 180

cggtggatgg ttaggcgccg gtttaatttt agggagcgag ctatcagaga gaatatgcgt 240

gatgggcata tcaatgaatc tagtgacgta ccttgttgga gatttacaca tctcatcagc 300

taaatcagcg accatagtca ccaacttcat gggaactctt aaccttctag gggcttctcg 360

gtggtttttt ggctgacgct aaactcggtc gctacaagat ggttgcaatc tcagcttctg 420

tcacagctct gggaatgttg cttttgacgg tggctacaac tatctcaaag catgagacca 480

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<210> 13579
<211> 524
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-D1

<400> 13579

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gcgtccggga naatttcaaa caaagtttca aactttgctc accaactttt atttatttat 120

tttggtggta gaaaacagac tttgatggct ttgtaggaat actagatgtg tagatctaaa 180

gattataacc attttctgtg ttcttgttct ttcagaacat aacttcatgt ctttttgtct 240

ctctgttcac tagctctctg tttccatgga ctccacacta tcttcttctt acagatttat 300

ttcatacaca tacactgata cacatgtgtg tatacgtatg tgtttatgtg tgcttattan 360

actcttttg gattcaagaa actaatcttt aagtattttt gacattctgg tagatttatg 420

ctcacttctt angccttgtt gacttttaca gtgatggatt ttgaaactcc tggttgattt 480

gatttcnttt tggttgatgc antgaggaga agaaatgtcc gatt 524

<210> 13580
<211> 420
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-B12

<400> 13580

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ttgcagagac gccgacttac tctgttgctt cggttgttac tgttttggtc tttgtttgct 180

ttctcgttga acgcgccatt tacagatttg gaaagtggtt aaagaagact agaagaaagg 240

cacttttac ttcacttgag aaaatgaaag aggagttgat gttgctggga cttatatcac 300

ttctgttgtc acaaagcgcg agatggattt cagaaatctg tgttaactct tccctttcaa 360

tagtaaattc tacatttgct ctgaagagga ctatggaatc cataagaaag ttcttctgga 420

<210> 13581
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-B2

<400> 13581

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atttgatgcc ctgagtgata tagaactgaa agaaagagag gaaggtgaaa ctttatatgc 120

agaactagta tcaagaacta gcgacattgc tgtttcnaan aagctttgtg aggaccctca 180

cgacattgat tgtcatgtac atgacatcca tgtagtgact gatgaagata acaaggggca 240

actgaatgtt ccctcngacc atgccactcn ggatctgaaa ctggacagat nacaangtgt 300

ttcacnatac aagttatgca tttccacaaa gggaaaagtt acatgtctac caataatgcc 360

anagaaaatt caaatgtcaa nccattggcc tatgnaaaga ccnggaaaat nnaagagtgg 420

aaatttggtt tccngaaaan gtcnggttta aaaanctgtn ccaaaagggg aaaaanagaa 480

aattcanttt tttcccccaa aagatnt 507

<210> 13582
<211> 467
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-B4

<400> 13582

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tgccttgtgg gttgaaagtt tctatatttt ctctttctct tctgtttaca taanccattt 120

tcagctcaag cagctgaaga ataacgatca agaaccaaaa aagaagaaaa cgaatctgtt 180

cttagctttg atgggttctt gcttcagttc tcgagtcaaa gcagacatct tccacaatgg 240

taagagcagc gatctttatg gtctaagtct ctcaagtcgg aaatcgtcnt cgactgtagc 300

ggcggctcan aagacggaag gggagatatt gaagttcgac ccctgtcaaa agcttcacct 360

ttaacgaact caaaactcgc cacaaagaaa cttcagacca gatagtgtga tngggngaaa 420

ggtgggcttt gggttgtgtc nttaaaaggc tgggtagatg aagccaa 467

<210> 13583
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-B5

<400> 13583

tcaatgnnnn gcctgncccg tanaggtccg atnantcccg ggtcgcccca cgngtccgtg 60

anaatttcga attcaagagc attgctttaa acaatttgtc tgatcttaaa ccggaaatgc 120

tagacattag acccggttta gaatcagtgg cggttaactc ggtcttcgag cttcntcgcc 180

tcttagctca tcccggttcc atcgataagt ttttatcgac aatcaaatca atccgaccgg 240

atataatgac tgtggtcgag caagaagcaa accataacgg taccgtattt ctcgatcggt 300

tcacggaatc gctacattac tattcgagct tattcgactc gctcgagggc ccgccaagcc 360

aagaccgagt gatgtcggan ttattccnan gacggcagat actaaacctt gtggcatgcg 420

angganaaga ccgggttana naggcatgga gacttaaatc agtggagaaa acggtcggtt 480

taggangant taaccggtta ngnancgg 508

<210> 13584

<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-B6

<400> 13584

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catcccgagc aacttatctc tggcaaagaa gatgcagcca ataactttgc tagaggccat 120

tacactgttg gaagggaaat tgttgacacc tgccttgaaa ggctgaggaa attggcagac 180

aattgcacag ggttacaagg atttttggta ttcaatgctg ttgggggtgg aacaggttct 240

ggtttgggtt ctttactgtt ggagcgcttg tccgtagatt ttggaaaaaa atcaaaactc 300

ggtttcanca tctaaccttc tcctcangtt tctacagcag ttgtggagcc gtatnacagt 360

gttctctccg actcattctc ttctcgaaca cacagatgtt gttgttcctt tggacaatga 420

agncatatac gatatctgca ggagatcttn g 451

<210> 13585
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-B7

<400> 13585

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catcggtggt ctcaatgttg gagatgggtt tgtacagagt aaagcnatgt tcaacatcct 120

cattgcttct ttcttcgaaa agcttgtacc gagatctgga tccacgagtt ctagaagact 180

cccttgttct tgcaagacat atgcccagtc aagaaggtaa ataaactctt cttttggtct 240

gtaatttgtg ttgctctttc cgctaacaat ctctaaacag actacaccga agctataaac 300

atcctgcttt gtctgttaag taanctctca ttgcatactc ngganccatg taacctctgc 360

atcaatgaan tattaagtcg ggaagtgtta accantcana aggnnagggg gncccnanng 420

nccggnntna gcgcnngnnt 440

<210> 13586

<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-C1

<400> 13586

acgataatgg gaagcgcacc agctcagatt ccgactagct tcggccatga gcttagggct 60

tgtcttcgtt gccgactcgt caagacctat gaccagttta gagacgctgg ttgcgagaat 120

tgtccttttct tcaagatgga agaggatcat gagcgtatcg tggaggtcac tacccctaat 180

ttcaatggta taatctctgt gatggatcca agtagaagct gggcggctag gtggttaaga 240

atcgggaagt ttgctcctgg ttgctacaca cttgctgtct cagagccact ccctgaggaa 300

atgcagcact tatgccaaga ngagcgtgta caatatgttc tgccgaaacg catgtgaaga 360

aatctatcac gatgaaggct antagggaag accaaagtat tccacttttt caataaaaag 420

cntc 424

<210> 13587
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-C10

<400> 13587

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tgttgttatt gaanatgcgc ttgctggagt ccangccgca caagctgcga acatgatatg 120

tatanccgta aaaactactt tatctgaagc aattcttaag gatgctggtc cttctatgat 180

atgacacgat attggnaaca tctcaatcan tgncattctc antggtggct cagattctac 240

cagaaattcc acagcaatgc ttgaagagaa cacnntcagc gataaaacca gcgctaacgg 300

gtttcagggc tctcgacgag atatactgan gtangggagt cntggcattg ctctttcttg 360

tgtcnacttc gncgtcacca actggtncgc aatgcattat gcttcnccga aagctttgtg 420

gaatgcattg gttggaacan ntnccc 446

<210> 13588

<211> 370
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-C3

<400> 13588

atttatcatt agacaatgaa agtgtgatgt tctgtcctgt gaagcttgta ttaccacatt 60

gtaactaaat gttttatctt cattatcagt ttaatttagc cacaaacccg agaacaagga 120

nagcgagtcg aggataaatt aaactgataa tgagactcga acatagacag aggcaatggt 180

gatacgaagt ggatcaaaga cactaacaat ttctactcac attattgtac ctcaatcatt 240

tatcattaga caatgaaagt gtgatgttct gtcctgtgaa gcttgtatta ccacattgta 300

actaaatgtt ttatcttcat tcatccaatc ccgtaacgta attgaacgcc aaaananann 360

nngngcgnng 370

<210> 13589
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-C4

<400> 13589

agagagagaa cacagacgat accaactttc ttcaatctcg ttgccgcagt ataattatct 60

cattcctcgg atatatctct ccttctgcgg cggcgacaag aagctacagg gaataaggaa 120

gtctgttttc tctcttttca agaaaccact tacttcgaaa atggctcgtt ctatctctaa 180

cgttaagatc gtatctgctt tcgtctctcg tgaactctcc aatgctatct tccgacgtng 240

ttatgcgggc acggcggcgc aagggancgt ttcnagccgg tggaanaagt ggagcctgtt 300

gctccggctg tgaatgaaga anaaaggaan tggnagaatc aaccaagaaa atttcttggg 360

gttcaagatt ccaaaaacgg gttattacaa gacccgaaac cggttccacg ngattgaccc 420

ggttgagcta cgagcactct cttgaaaaca agncattgat tg 462

<210> 13590
<211> 455
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-C5

<400> 13590

gatnattagt tcaaaataac aaaaacagaa gaaaattaaa atctaaacac ctgaaaaaaa 60

aaatgaaata tctgtcagtg tttctatttt tttatggcct atgcataatt ggtaatgtnt 120

atggacgagc aaacaagctc catatctgga acgatcttga tcccaatcag aagcactcag 180

acctctttgt gcagtgtaaa tctggaaagg ccgacatggg aaaacattat gtcaagtatg 240

gaaaaatata tcaatttgat attagggata atttttggaa gacgacactt ttttggtgta 300

cctttagaca tgggcctgat tataggactg gccaacaatt tgatgtgtat gaatatnaac 360

cgggtgtggc tcaaggaggc acatatgant ggacagctag agaagatggn atatatttta 420

ngttaaatca aggtacgatn canaaaagtc atnat 455

<210> 13591
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-C6

<400> 13591

gctcattccg acgaaaacag atacactcga gtgaagaaag tatgaaattt aactttaacg 60

agacagagga tgcaccagat tcacgacgat ctccgacgcc caaagagccg gttaggtggg 120

ttcctctcca gagccacccg gttttcgctt ctcttccttc ctcccaagat gaacccgccg 180

tgtcgcagct gtttccgaga aatttcatgg cttgggacgg agactcgcgc gtatactact 240

gggattcgag acgatatctc cttcancgat tatctctgcg cttgggtgaa cctgaaccat 300

cctccgtcct cgccgcagtc ccgtccaagg tgatgcaacc agaccttcag gtgacatttt 360

ctgttagcaa aatctccatc aataagtctg ggattaagcn gtacttcttg cccggctcaa 420

gatggggata ngttgtgatt gtacccaant tgggacgttg cttccgng 468

<210> 13592
<211> 451
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-C7

<400> 13592

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ggcagagctg gtcttgttga cttcttacac ggacttggac agcgatatct aagtctagga 120

tactcaacac ctttcctctc gctcggtgca tcgtatatgt attcctcatt ggctgctgca 180

aaagccgctg taatttctgt tggtgaagaa attgcaagcc agggactgcc attaggaatc 240

tgccctcttg tatttgtctt caccggaaca ggaaatgttt ctctgggggc gcaagaaatt 300

ttcaagcttc ttcctcacac ttttgttgaa ccaagcaaac ttcctgaact atttgttaaa 360

agacaaagga attaagtcaa aatgggattt caacaaagcg agtctatcaa gtatatggtt 420

gtattattac caancaagac atggntgaac a 451

<210> 13593
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-C8

<400> 13593

cattccgtgc accctgctgc agagtatcat gcctctgcta gggccatcag tggtgggcct 60

ctctatgtca gtgattctcc tggaaagcac aactttgagc ttctagggaa agnttgtatt 120

gcctgatgga tcgattcttc gtgctcgact ccctggtaga ccaactcgcg attgtttgtt 180

cgctgatcct gcccgtgatg gtgtcagctt gctaaagata tggancatga anaagtncac 240

tggagttctt ggcgtgtata actgccaagg agcagcttgg accagcacag agagacncga 300

gattttccac caggactann ngctgagngc cnacgtgggc tccanttcgg tgggtccgtg 360

atgctgcatt cnactatcgn ggacgncttc cnc 393

<210> 13594
<211> 59
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-C9

<400> 13594

ggaaatattg gantcaatac aatggtggtt caaggtngca cctactgtga catttgcaa 59

<210> 13595
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-B11

<400> 13595

cccnacatnt cgggnaatcc caggncnccn catgaaatcn tctggagatc agtgttttgt 60

ctctgtccnt tatggtnggc accatggnat cctaaactag tggaatccgc cgtgttatgt 120

tgtgttcccg ttgttatcgc cgatgggatt caattaccgt tctcggagac ngtacaatgg 180

ccggaaatct cactaacggt ggcngagaaa gacgtgagga atctacnaaa ggttttggaa 240

cacgtggcgg ntactaattt gtctgcaata cantgaaact tacatgaacc ggtgtttana 300

ccgggccctc ttgtacaatg tgccgattaa aagaatgaga cccacgtggc atattctcga 360

atcttgtgga ngaagctcta tgatnggtcn tacaanaaag tcaa 404

<210> 13596
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-G4

<400> 13596

gnnnnnnnna cgtttctcgc nccacggtcc gaaaaccggg tcncnccacg ccgtccggaa 60

aaagagagca ttatcaatta ttaacaatta cacaagacag cgagattgta aaagattaag 120

agaagagaga ttggaaggag aaggcagagg ctttggccac gacggcaccg ttagctccgg 180

tcaccagtca gcgaaaagta cggaacgatt tggaggaaac attaccaaaa ccatacatgg 240

caagagcatt agcagctcca gatacagagc atccgaatgg aacagaaggt cacgatagca 300

aaggaatgag tgttatgcaa caacatgttg ctttcttcga ccaaaacgac gatggaatcg 360

tctatccttg ggagacttat aanggatttc gtgaccttgg gttcaancca atttcctcna 420

nccttttggac cntactcata aacntaacgt tcaactacgt tacacnttcn aanttgggtt 480

gccatcacaa ttatgccngg ttana 505

<210> 13597
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-023-Q1-E1-G9

<400> 13597

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ttcaatccag atcagccctt gttcagttcc atgccctagc tttgctccat cagatacgcc 120

aaaatgatcg cttggctgtt agcaaattgg ttggtagctt gaccagggga tctgtccgct 180

ctcccttggc tcagtgtctt ttgatacgtt acaccagcca ggttatccgt gacatggcca 240

accacggtca atctggagaa cgtccgttct atgaattttt ggagagttgc ctgcgccata 300

aggcagaaat ggtgatcctt gaggctgcca gggcaattac tgagcttgat ggtgtgacaa 360

gccgagaact gactccagca atcactgttc ttcagctcct tttgagttcc cccaaaccaa 420

tgttgaga 428

<210> 13598
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-H1

<400> 13598

gaagaagcaa agaattagac tactctgcaa caatggctat ttattctgtc cataacggcg 60

acaagaaaca ttggtggttc actcacaaga agattgttga taagtacatt aaggacgcaa 120

gatctttaat ggagagtgag gagcaaaacg acgttgcttc agccattcat ttactagacg 180

cggctttatc aatatccccg cgttcggaaa ctgcgttaga acttaaagcc agatctttgc 240

tctttctacg tcgcttcaaa gatgtagttg atatgcttca agattatatc ccaagcctca 300

agcttgccgt gaacgangaa gatggatctt aatcatacga aagggtcttc ctactcntcc 360

tccctccttc tcagctctcc cgggaaactt ctctccggac tcatctcctc gccgtgactc 420

aaccntcaaa tgnntt 436

<210> 13599
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-H11

<400> 13599

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tagggttttg tagagagaaa gatgagccga agtttgggaa taccggtgaa gcttcttcac 120

gaggcctcag gtcatatcgt gacggtggag ctaaagagcg gcgagcttta cagaggaagt 180

atgattgagt gtgaggataa ctggaactgt cagctcgagg atattactta taccgccaag 240

gatggtaagg tatcacagct tgagcatgtc ttcattcgag gcagtaaagt caggtttatg 300

gtcataccag acattctcaa acatgctcca atgttcaagc ggttagatgc tagaatcaag 360

ggaaagagct catcactggg tgttggcaga agtagangtg caatgcnaag gaaaccggct 420

gccnggccc 429

<210> 13600
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-H12

<400> 13600

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gagctccgac ctggaggaat ggttgtacag aaaaggacgg atcatagctc aagcgtgcca 120

cgtggcattc gggttcgggt caaatacggg tcggtccatc acgagatcag tatcaactct 180

caatctactt tcggtaaacg acacaaaaca ttccgagtta tacagtattt cctttatact 240

attagtatgc tctgtttttg gaatttgatt gttgttgttg ttgaatttaa caacagggga 300

attaaagaag atattgtctg gtgcgacagg agttcatcat caagacatgc agattatata 360

caaagacaaa gaaagagact caaagatgtt tcctgatctt tccnggtgtc aaaagatcgt 420

tccaaaactt atcctaaana aga 443

<210> 13601
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-H3

<400> 13601

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cattagttgt cttaggctct tgtgaatttc tctatctagg tgggtttagt ttgaggagga 120

ggaatcaagg gagaggtttt ggaaaaggtg ttaagtgttc agtgaaagtg cagcagcaac 180

aacaacctcc tccagcatgg cctgggagag ctgtccctga ggcgcctcgt caatcttggg 240

atggaccaaa acccatctct atcgttggat ctactggttc tattggcact cagacattgg 300

atattgtggc tgagaatcct gacaaattca gagttgtggc tctagctgct ggttccaatg 360

ttactctact tgctgatcag gtaaggagaa ttaagcctgc attgggttgc tgttaaaaac 420

gagtcactga ttaatgancn ta 442

<210> 13602
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-H6

<400> 13602

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gtcactgtgc agatgctgtg gagaacagag agctggaaaa gagttgtgag gttgatgagc 120

agaaggagca gatgcaagcc accaattcta tctcagtatc tgagaacttt tcacgtgaaa 180

aattgaattc atctcctgca aggggtactc caaattgcaa ctcagtatgc cgaatttcta 240

ccgcagaaag tgaaaatgct atgcagaaca acagttatta cagcaccaat gttcagtatg 300

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aggtgaaaaa ntgtaattcc gatgtcaatg cactgttgat ccttt 405

<210> 13603
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-023-Q1-E1-H7

<400> 13603

ttctcaaaaa ccaaaatcac aatcgaagaa atcttttgaa agcaaaatgg aagagatttc 60

gacggatccg gttgttccag cggtgaaacc tgacccgaga acatcttcag ttggtgaagg 120

tgctaatcgt catgaaaatg acgacggagg aagcggcggt tctgagattg gagcaccgga 180

tctggataaa gacttgcttt gtccgatttg tatgcagatt attaaagatg ctttcctcac 240

ggcttgtggt catagtttct gctatatgtg tatcatcaca catcttagga acaagagtga 300

ttgtccctgt tgtagccaac acctcaccaa taatcagctt taccctaatt tcttgctcga 360

taagctattg aagaaaactt cagctcggca tgtgtcaaaa actgatcgcc ctgggttaat 420

t 421

<210> 13604
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-H8

<400> 13604

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gattgattgg ggttggagct gagttgaagc tgaaaagagc tcacgcgatt ttcgatcgtg 120

tttgctctaa gtgcatagct tctaagagag atgagatcag ccaagggatt gattcttctt 180

cttctaaaga tttgttgatg tcttctataa atgttgacac gactaagtac aagttgttga 240

atccaagtga tgacagattc cttagagaca caatcttgtc cttcatgtta gctggtagag 300

acacaacagg ctcagcgctc acttggttct tctggcttct atgcaataac caagaagcca 360

tgaccaagat tcgtcaagaa atcaacacaa atctatttcc aagaaacaag accgacgacg 420

gttctgttcc taagattccg antcattcaa tccccaagag gtaaagaaat tgggtantta 480

caccgg 486

<210> 13605
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-A1

<400> 13605

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ttgtgccatt gctcctgaaa ggatcaggtt tactaagggt gctttttact acaaaagcaa 180

caatgtagtg acaggtaaaa gagtgttttc cataaaagca caaatcacaa cagaaacaga 240

tactcctact cctgcaaaga aagtagagaa agtgtcaaag aagaacgagg aaggtgtgat 300

tgttaacagg tacagaccaa aaagagcctt acactgggaa aatgccttct caacaccaaa 360

atcacagctg atgatgctcc tggagaaacc tggcacatgg ttttcaacca tcaaggagga 420

aatccccgtn cagagaangn caatctg 447

<210> 13606
<211> 64
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-A11

<400> 13606

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tgtc 64

<210> 13607
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-024-Q1-E1-A5

<400> 13607

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agagtctatt ccccaagttg ttgttcttct tgaagctgca gttgaaaggt gtattggctt 180

tactggaggg tcagaggcag acgagctgat acttgcatta gatgacataa tgttgcagta 240

tatctctatg cttcaagaaa cactcaaatc tttgagagtt gtgtgtggag tggatggtac 300

aggtgatgga gttggctcaa agaaagatgc aagtgcagag aaaagggaga gctctcgcaa 360

gatggatttg acttcaaatg aggaatggtc cattgttcaa ggagcacttc aaattcttac 420

tgtagctgat tgtctcacga agcaagtctt ctgtctttga agcctctttg agagcaactc 480

taactagact aaactccaan cttgt 505

<210> 13608
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-A6

<400> 13608

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tcggattttc actctccgtt tatcgaacat ctgagatctc tctccacttc cgtcnccgaa 120

gatgcattcc agtcatcttc ttctcgagga gccgatcagg atggcttcaa tcctcgagcc 180

ttccaaatct agtttcttcc cggcattgac taagatcgtc ggaactctag gtcctaaatc 240

ccgatccgtc gaggctctct ccggctgtct caaagccggc atgtctgtgg ctcgatttga 300

tttctcgtgg ggagatgctg attatcacca aggagacact tgataatttt gaaagttgct 360

gtgaggagca ctaagaagct ttgtgctgtt atgcttgata ctgttgggcc tggagctaca 420

agttattaac aaatctgaga aagctattac tttgg 455

<210> 13609
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-A7

<400> 13609

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ttttatgttg gggaaactgt cttagctatc gagtccattc ataagcacaa ttatatccac 120

agagatatca agcctgataa tctgctactc gacagaagcg gtcacatgaa gttatccgat 180

tttggattat gtnagccatt agattgtagt attctccagg aaaaagattt cgtatttgca 240

cacaacctta gtggggctct acaaagtgat ggccgccctg tggcaccgag acgtacccgc 300

tctcaaatgg aacaattaca aaactggcaa ganaaataga angatgcttg cttattctac 360

agttggnact cctgactata ttgctccana agttttgttg aacaaaggat atgggatggn 420

atgtgattgg tggtcacttg gtg 443

<210> 13610
<211> 51
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-B10

<400> 13610

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<210> 13611
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-G10

<400> 13611

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ccacgcgtcc gataatgatc acatgcatgg aatgcctcga ccatcatcat catcatcatc 120

atcaccatca tccatgatga acaatggatc catgaacgaa ggaggaggac atcaccacat 180

gaagatgatg atgcacatga ccttcttttg gggcaagaac acggaggttc tcttctccgg 240

ttggcccgga acaagctccg gcatgtatgc tctttgtctt atctttgtct tctttctcgc 300

cgtcctcacc gaatggcttg ctcattcctc tctcctccgt ggctccaccg gagattcggc 360

taatcgtgcc gccgggttaa tccaaaccgc cgtgtatacc ctccgtatcg gcctcgccta 420

tctagtcatg ctcgccgtca tgtcgtttaa cgccggtgtg ttctcgtcgc tctggccggt 480

catgcccgtt gggtttcatg ttgttcggaa gca 513

<210> 13612
<211> 99
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-D7

<400> 13612

atcgttcaac ataaagagtg tacgaagntt aagtgttgtg gcaattgagc ntgaagttgt 60

tgggtacana atttcaattg cctaatgntt gcaaaaang 99

<210> 13613
<211> 537
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-E2

<400> 13613

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gacccacgcg tccgattctc accggagccg cttcaacatt tcccatcgtc gctcgagttt 120

tgaacgctat gaatcgccgt atgtatgctg ctactactct atcatctgcc aaatcaatct 180

ctgcagaatc cctaaatctt cgttccgatt ccaattcaga ggcagcgcat ggtgcttctg 240

agtctgagac tcgagtctct ttaaggaaga agaggataaa gcaggatgat ttggagcctg 300

taaagaaatg ttccgccaga gaaaccaagg cccgcaagga catgtgtgga ttacctgata 360

tagaagactc tccttataag aagactaatg gaactgcttc atctaggacg agaaaactaa 420

actcatacat tanatcaaca gaagctagnc ccttctgcat ccgtcgatta aaacagcaag 480

gaaaggcgan tttatgtgct cataggaaca cttcnttcaa gtcaggacta aagagca 537

<210> 13614
<211> 116
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-E5

<400> 13614

nggggggtaa gctaancggg gaagaaacaa aacggtggta aagggcgggg caatcaaacc 60

gcaaagcaac aaaccaacgg gccttcnaag cggtnctcgg acgaacnaaa attctt 116

<210> 13615
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-E6

<400> 13615

aacgnctcgc ctgccctaaa agtccgatat tcccgggtng ncccacgcat ccgctgattt 60

agggttttgc cttgttcttg tggcgggaat aacaaagaca tcgccgatat ggggaaagac 120

gaagaggaaa tgcgaggtga gatcgaggag cgactaatca atgaagagta caagatctgg 180

aagaagaaca ctcctttcct ctacgatctc gttattactc acgctctcga gtggccttca 240

cttactgttg aatggcttcc tgaccgtgaa gaaccttccg gtaaagacta ctccgttcag 300

aagatgattc tcggtaccca tacctccgag nagcgagccc aattacttga tgctagccca 360

agttcagctt cctcttgacg ataccgagag tgaactcgtc agtacnatga tgancgctct 420

gaatttggtg gctttgggct gtgcaactgg naaagggtac aaattatcca gccngataaa 480

catgatggtg angttaatcc anctccc 507

<210> 13616
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-E8

<400> 13616

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aacaagactt ataaccgtat ctctgatttg aggaaagata tatcaaacat tacgaaaaat 120

gttttggttg ctgagaaagc ttcagccaat gcacgagtag agttggaggc tgctgagagc 180

aaactttccc tagtggaagg tgaacccgtt cttggtgaga atccagcgaa gatgaagcgt 240

ttaaaatcaa caatggagaa gacaggggaa gccgagttat ctcctcggga gtcctaaaag 300

caaaagaggc tccntcttaa caaaactctc ccctgaanac cganggtttt ancggctcct 360

tgccggttcc caaangtttc cttaaggngt naccggaaag gaaacggntn cccaagaatn 420

ncaaccttaa angntgagga tttagtngca aggnttntaa aaatcccaaa angggggg 477

<210> 13617
<211> 181
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-022-Q1-E1-F11

<400> 13617

agccggcgcg ttttccgcct tctttcgttc gttatcttat agctaattaa atctaataca 60

aaggaacagg aaaacgaacg aaagaaggcg gaaaaaaatg tcgaaatgtc tcgttttgat 120

gtacatatgg atcataaaat tttacatttt tttctatcaa aaaaaaaaaa aaaaagggcg 180

g 181

<210> 13618
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-F8

<400> 13618

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tcttcattct tcggttcacc gttgattaaa ccgtcgtcat ctctccgtca cagtggagta 120

ggaggaggag gaaccgctca atttcttcca taccggagta ataataacaa actcttcact 180

acttcaacca ccgtacgatt cagcttaaac gagattcctc ctttccatgg cttggattca 240

tctgtagaca tcggagcgat tttcaccaga gctgaatctc ttctctatac aatagctgac 300

gccgccgttg ttggtgctga ttcccgtcgt aactactgat tcatccgccg tgcaanaaga 360

antggtggtt gggtttgggt ttatctccga tgctatggga attggttcct aaagattttt 420

gaanggatgg gattatcaag ccgggttaaa ngtaccttaa tgg 463

<210> 13619
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-022-Q1-E1-F9

<400> 13619

gaaacgtgga ccgtggttgt ctcaacaggg atgaacttgg aggttccatc tctggttgga 60

ttcaggtgtt ttgagctaat cttcttctgg gtttacttct ctaccatact ttctaccgat 120

ttgaagattt gtcttctgta cctttgatga tgattctcag ttttgcagca atgactcagt 180

ttttcgcctt ctagtcatta aactactttc ccacaatgag atacttagtg tttttgtagg 240

ttctttcaca cttgttagca agggtatatg tatgttgccg ttctcagaat ttggtaggta 300

tgaatcacag atgtcattgt ttattattga taacataagt gattcttgct ggtagtgtga 360

cctcttgagg gcaggctcat agaagatgaa gagcctcttg gttttgatga taatgctccc 420

tacttctgag ttctgaagt 439

<210> 13620
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-G12

<400> 13620

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cgcgtccgca ntttttttgtc cttccattaa aaacggaata aacagaatga acggtggtga 120

tgtcaccgtc gccggatccg acgatctgaa atctccgctc ttaccggtcg tccataatga 180

tgaaccattc gaacgacaaa cggtgggaca acaacttcgg acaatattca cgcccaaaaa 240

ctgttacatc gctcttggtc ctcttctttg cgccgtcgtg tgtctatgcg tagatctcgg 300

gggagatgaa acgacgacgg cgaggaacat gctcggtgtt ttggtgtgga tgttcgcgtg 360

gtggttgacg gaggccgttc cgatgccgat cacctccatg acgccgctct tcctcttccc 420

tctctttggt atatcggctg cggatgacgt agcaaattct tacatggatg acgtcatctc 480

ccttgtactc ggcagcttca tacttgctcc c 511

<210> 13621
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-G6

<400> 13621

naactgtcnc cctgncctaa aggtccgata ttcccgggtn gncccacgcn tccgggtaaa 60

cattgacttt gaaacggagc ctattggcaa aggaaagaat ggcaaggacg tcttcttaag 120

agatatctgg ccaaccacgg aagaaattgc tgaggttgtt caatccagtg ttttgcctga 180

catgttccga gcaacgtacg agtcaatcac caagggtaac cccatgtgga ataagctgtc 240

tgttcctgag aataccctct actcatggga tcccaactca acttacattc acgagcctcc 300

atacttcaag gacatgacca tggatcctcc tgggtccaca caatgtgaan gatgcttact 360

gtttactcaa ttttggggac agtatcacca ctgatcacat ctcaacaact ggaaaacatc 420

canaaagggn cagtcctgct gcaaaagttt ctcatggaag cnttggcttt gaccgntang 480

gacttcaact ncatatggga antccnccgn ngggaaatna 520

<210> 13622
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-G7

<400> 13622

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cgatcatcaa ttacttcacc gcacagatga aaggaaacat cggatggaga atctctctcg 120

gattancttg tgtccctgca gtgatgatca tgatcggagc tctgatcctt nccgacactc 180

ccaactctct catcgaacgt ggntacaccg aagaggncaa ggaaatgctt cagtccatcc 240

gaggaancaa tgaagtcgat gaagagtttc aagatctcat tgatgcaagt gaggagtcca 300

agcaagtgaa acacccatgg aagaacatca tgcttcctcg ttacagacca caattgatca 360

tgacttgctt cattcctttc tttcaacaac ttaccggaat caatgtcatt accttctacg 420

ccccggtttt gttccaaanc ctcgggttcg gtagcaaagc ttccctccta tcagctatgg 480

taacgggtat catcgagctc ttgtg 505

<210> 13623
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-G8

<400> 13623

atccgtcttt ttctttactt catgtcgaag caaacgtaca aagtgtgttt ctgctttcgc 60

cggaggtttc gttacactgc atcggaggca ccgcgtgaga tcaagaccat tttcgaaaag 120

tactcagaga atggagttat gaccgttgat catctccaca ggtttctgat cgatgttcag 180

aaacaagata aagccaccag agaagatgca cagtcaatta tcaattctgc atcttctctt 240

cttcatcgta atggtctcca tcttgatgct ttcttcaagt acctctttgg tgataataac 300

cctcctcttg ctctccataa ggtgcatcat gacatggatg ctcctatatc gcattaattc 360

ataatcactg gtcataattc ctatctgact gggaatcanc tgaacagtga cngtagtgan 420

ggtacctatt attgatgccn tgaaa 445

<210> 13624
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-H1

<400> 13624

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ccgctacacc atggaaatca acgctcgtgc acgccaaagt cttgtcaacg gaggtggaat 120

cattgagact tgtttctggc ccgggaagta tgcattagag ctaagttcag ccgtctatgg 180

taaactatgg aggtttgacc aggaaggctt acccgcggat ctcatcaaaa gggggttggc 240

tgaggaagat aagaccgcag aacatggngt acgtctgacg ataccaagac tatccatttg 300

caaatgatgg tctaatattg tggggatgca attaaagaat ggggtgacag actatgtgaa 360

acattactat cctgatgaag aactgatnac atcggacgan ggaactccaa aggatggtgg 420

attaaattnc ggga 434

<210> 13625
<211> 542
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-H3

<400> 13625

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tcgacccacg cgtccgggca gaagaagaaa cttcagatag atgagctaga gagaatcgtg 120

aggctgaagc aagcggaggc agacatgttc cagcttaaag caaatgaagc aaagcgggag 180

gctgataggt tgcagaggat tgtactagcg aaaatggata agtctgagga ggaatacgca 240

agtaactatc tgaaacagag gctgagtgag gccgaggcag agaagcagta tctgtttgag 300

aagattaagc tgcaggaaaa ctcaagggtg gcatcacaaa gcagtggtgg gggaggagac 360

ccgtcacagg tgatgatgta ctcaaagatt cgcgatctgc ttcaaggata caatctctct 420

cccaaggttg atcctcaatt aaacgagcgt aatcctttca gatcantccc taaatgcttc 480

ctcctccctt anatatatat gttagttttt catatcctaa aatttcnatc acctggtgtt 540

tt 542

<210> 13626
<211> 542
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-H4

<400> 13626

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cgcgtccggt tcttcctctt ccagatttgg tttctttttt tgaaaaactc tctagcttca 120

gtttttttttt ttctctctct ctctctctct aggaatgttt ttgttcgtgg atactggaat 180

catgagaata ngattttgaa ggagaaagca agatccatgt tctttgtcgg agaatttagg 240

gctaatatgt ggatttgagc ttctttgatt cccaatttgt gaaagttttg anatttttgg 300

gaaagagaga atgtttangc agtttctgag taaacgtccc ganggaagtc ttcaaaatct 360

gattcaagga gagctngaat cgntcgaatt cggggtccgg taatcgtcct ccgggttcaa 420

gagatnccgg gtaccaaatg gtgggtgggn tccngggtcc gggntccgat ttaaactcaa 480

ngggaaagcc ttatgtcaat ctggctggtg tttcccaanc tangtgggtt gttgccnggt 540

aa 542

<210> 13627
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-D6

<400> 13627

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ctggcccaag ttgttgcagc ataaggttaa acaaagactg actaaaatga ctcagatgcg 120

tattcgtatg aggaaacttg ctctgaaaac aagggaggta gtagtcacta cgcctaggag 180

gcaaataaag agggagtcga gaagagagga aaaggctata aaagcagctc agttggataa 240

ggctattgaa accgagttga tggaacgttt gaagaaaggc atttacccta ctgaaatata 300

caatttatct gacagtgtgt ttaacaaact gcttgataag agaaatcgaa accaacgacg 360

aagtttgaga aagaaagagg gaggaggaan gattgatttg aatatgttga agggnnatga 420

ttgaaactcc aaagcaaaag gaaga 445

<210> 13628
<211> 252
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-C1

<400> 13628

aaaaccaaaa aaaaaaaaaa aaagagaaag aaaagaactc gagtgcaaaa agcttctctc 60

ttccttccca tggggtgcat ttgaactaat ctcctccttg aaatcgcttg atttgantgt 120

tataaatcga ttaatcgatt caaaccgttg gntaataatc caaaacaacc caaaaagaga 180

atnccaaggg aagttgtgtt tcctncccaa ttgaaagggt cnccttttgg gaagagancg 240

gnnagaaggn na 252

<210> 13629
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-C11

<400> 13629

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cttaggaaga cgcttcgacg tcctcagtct tctacatgca tcatagtgac cgaaaccaca 120

ccatgtaata agtctcccac agttcagcgt cgttctgcga actatcagcc ttctcgttgg 180

gaccatcacc atctcctctc ggtcgaaaat aaatttgcga aagataaaag ggtacgagag 240

agagatttgt tgaaggaaaa agtgagaaag atgctcaatg atgagcaaaa gacttatctt 300

gaccaattgg agttcattga cgatctacaa aaactcgggg tttcttatca ttttgaagcg 360

gaaatcgaca acattttaac atcttcttat aaaaaagata gaacaaacat ccaggagagt 420

gacctacatg ccancgcact cgaa 444

<210> 13630
<211> 542
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-C2

<400> 13630

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cccacgcgtc cgtaangttt gggctagcac accaaatgga aacaagaagc ttgctgcagc 120

ataccaggaa gctcaacaga aagctggcgg ctgtcccatc tttctgtttt tctcggtcaa 180

tgcaagtgga caatttgttg gtcttgctga aatgacagga ccagttgatt tcaacacaaa 240

tgtggagtac tggcagcaag ataagtggac cggctctttc cccctcaagt ggcatattgt 300

gaaggatgtg ccaaacagtt tactgaagca tattacttta gagaacaatg agaacaaacc 360

tgttaccaac agcagagaca cacaagaggt taagttggag caaggtttga agattgtgaa 420

aattttcaaa ggngcataac agcaaagact tgcattttgg gatgatttcc tcattctacg 480

anggttccga cagaagacta tccttggngg aagaaagcca agccaaaccc cagaaacaag 540

gt 542

<210> 13631
<211> 528
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-C3

<400> 13631

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gnccgcggac gcgtggggcc aaattttctc atcattttct cgagaaaata gactaaaagc 120

gattcccgag agaaagaaag aacaaaaaaa aaacatccga gtgaaaatga gagaaattct 180

tcatattcaa ggaggtcagt gcggaaacca gatcggagct aagttctggg aagttatttg 240

cggcgagcac ggtattgatc aaaccggtca gtcatgtggc gatacagatc tacagcttga 300

aaggatcaat gtctatttta acgaagctag cggaggcaaa tacgttcctc gtgctgttct 360

tatggatctg gagcctggaa ctatggattc tctcagatct ggggccgttt ggtcanattt 420

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tcattacacg gaggggagct gaattgattg attccgtggc ntgaaggt 528

<210> 13632
<211> 537
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-C4

<400> 13632

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acccacgcgt ccgatcntca tcaanaccgc ctccccaggc tacttccaac accagcacca 120

atgccaatgc aggctcgagt gtttctgcta cctcatctga aaacagtgct gttaataata 180

gccagaggaa acctttaga cggaataaca acacatcatc ttccagtacc agtagtaacg 240

tctccaatgc tgcgccttta aacaccagag atcagaatca cagccaaagg ggtggtggct 300

cttttggttc agggaatttc cgtaattctc agaggaatcg caacagcagc tcttaccctc 360

gtggggaagg tcttcaccat ggaaacaggc gcaattatga gcatggcaac caaagcggct 420

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tgatttaggc cccatttatc tanccaagat tatgcacanc atgtctttat gccacag 537

<210> 13633
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-C5

<400> 13633

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accctagttc ctcctctctc tcatttctcg gagatattca ccagagcaat aaccatggac 120

gctaaagaaa cctctgccac cgatttgaaa agaccgagag aagaggatga taacggcggc 180

gccgctacca tggagacgga gaacggagat cagaaaaagg aacctgcttg tttctccact 240

gttattcctg ggtggttctc tgaaatgagt cctatgtggc caggagaggc acactcattg 300

aaggttgana aagttttgtt tcaagggaaa tcagattatc aggatgttat tgttttccat 360

tcngcancat ntggaaaagt tttgggtttt gggnggngat ttactccanc tttangggan 420

aagaatantg aagtgtcgct ttatcaggga atgnnttnca ntcaattttc ccctnttggg 480

gttnanancc 490

<210> 13634

<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-C6

<400> 13634

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tttacgcttt ttgttatcct tgagaaattt tacgttgcaa gagagatctt tgattcatgg 180

gtgttgaagc attcgtgtta aaatgtatga ttgatcttaa tcagtgagat cggtgagctc 240

aagttctgtg ttttgtaatt gagattcgaa gaggtatgtc aacaaagtta tggagatggg 300

tgttagggct gatataccta tttgccgttg ccacgatttg gattgcggct agttttgtag 360

tccaagtctg tggtggaagc tggtgtttct ccgttccttg atcactttca tttgtaatca 420

ttggtccgtt gtttaacntc ccctttttg 449

<210> 13635
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-C7

<400> 13635

taaactggnc cccgcctgnc cctaanaggt ccgntattcc cgggtngacc cacgcntccg 60

gaaatcagct ggtggtggtg atgatgtgtc ttatggaagt ggaggaagta gcggccatgg 120

taatctcgat agccaaggtt gagctatgga accagaagct tagagattta atcatcattt 180

cgaccctgca agtgtctgat tcttatatgt ctatgattcg aatgacttac tcgagagaga 240

gagagagatc aaacaaaaca gaacaaaaaa gctctttttc atttttcctg ttaacttata 300

agttattgca gcaaaactgc agacttgctt aactatatat taatctaaat gtgcagattc 360

taatcaaaan nnaannanng ncnnngcngg ng 392

<210> 13636
<211> 449
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-C8

<400> 13636

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gattgacagt caccatctaa tgtggaggag atagatgata atccttcggt atcattagag 120

gatgaatcag cacatgtgat gcagttcaag tggtctgatt ttaggattct tgatcgtgtt 180

agcattggtc atggcggcag ggctgatgag cttgtgtttg aagctatagt tcaggttcca 240

gataggtcag tttctacttc atatgtatta caagatttca agatgaattt cagaggcttc 300

atctgtggtg cttcaatttc acaagccctt tgtttaacca aggagttgtt cttcggaaat 360

tgaataccac tcgagctcaa agacgaagaa gaagagctat agaaatttcg cctccctttt 420

aatccantaa gttacctaat ggaatcccc 449

<210> 13637
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-D10

<400> 13637

gnggnngntt tcgnnggccc tgtctcgcct gnccgtaccg gtcngataat tcccggggcc 60

ccacacgcgt ccgcnaacgc gtccggcggt tctatttatg aggcgcctta tttccatgga 120

gctacacatt tgcttgaaag aatggctttc aagagcacgt tgaacagaac tcattttcgt 180

cttgtgaggg aaattgaggc tattggaggc aacacatccg cttctgcgtc tcgagagcaa 240

atgagttaca ctattgatgc tcttaagacc tatgtccctg aaatggttga agttcttatt 300

gacagtgtta gaaaccctgc tttcttggac tgggaagtga atgaagagct acggaagatg 360

aaggtagaga tagcggaact tgcaaagaac cctatgggtt tcctcttgga ggccattcat 420

tctgctggtt actctggtcc attggcaagt cctctgtacg caccgggagt ctgctttaga 480

tagattgaat ggggaactct tgggaagatt atgag 515

<210> 13638

<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-022-Q1-E1-D11

<400> 13638

gcaaattgta aatttaggga agagactttc gcaagcaatc tagaagcaaa tcgatcgcca 60

aatctccgga ttatttgcaa gaatcgttcc cagataatct tccccagatt ctccacttct 120

ccagctctga tcggagtgtt gctcgaacag cttgaagaag acgacgaaga tatggctact 180

tcgaagaaaa tgatcacacg tgaagaatgg gagaagaaac taaatgctgt gaagcttagg 240

aaagaagata tgaatacttt ggtgatgaat tttcttgtga ctgaaggata tgttgaagct 300

gctgagaaat tccaaaggga gtctggaacc aaaccagaga tagatcttgc gaccattact 360

gatcgaatgg ctgttaaaaa ggctgttcaa aacggaaatg tcgaggatgc gattgaaaaa 420

gttaatgatt tgaatcctga gat 443

<210> 13639
<211> 533
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-D3

<400> 13639

nnnnnngngg nntgnnngaa ctgtntgcct gctctaccgg cccganatcc cggatcgncc 60

cacgcgnccg tgaagttact tgtttcagtt cccgatgatc aattcttagt ttttttggct 120

tgttttcttc gtctctcttt catcaggcct ttggagtttt gtgttaccat tttcgctcgc 180

gtcattactg gtgttagggt tttcttcaaa agcttcttaa tccgtcgaaa ttgctctttt 240

ctctccctca ttgtcgacag agataaatgg cttcaaagat tattgctggc aagccggatg 300

ataccgagta tgaaatcatt gaaggtgagt ctgagagcgc tttagcagcg gggacaagcc 360

cttggatgaa ttcatcaacg ttgaagcttc gacatccaat tggaagaagt cccttcggtg 420

atgtttggct ggctactcat canccagtca actgagggac tangatgnag catcatgaag 480

gtggccntca anatgcctta tcccatcagg ggaagattca aagaangggt tgg 533

<210> 13640
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-D5

<400> 13640

gganagacga catcgaacct tctatcttca aggctatgct tagcttcatt tacaccgatg 60

tacttcctaa tgtgcatgaa attaccgggt caacttctgc cagttcgttt acaaacatga 120

tacaacatct cttggcagct gctgacctct atgaccttgc aaggttaaag atattatgtg 180

aagttttgct atgcgaaaaa cttgatgttg ataatgtggc aacaacactt gcgttggctg 240

aacagcacca attcttacag ctcaaagcgt tctgcttaga atttgttgca tctccaagca 300

aacttgggag ctgtaatgaa gtccgaaggg gttcaagcac ttgaaacaga agctgtccca 360

cttggttaac ctgagttgct gaacnactgg ttgcangcag cagntaagaa gctcgacgan 420

ttgggcaatc aaancaagna aaagnaattg cgagcaantg tatt 464

<210> 13641
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-B8

<400> 13641

naactgtccc gcctggncct aaaggtccga nattcccggg tngncccacg cntccgattc 60

caggtgctgc tattaatcaa gcagtttctt cacgatattt tgctcgattt tttggcactg 120

aacgggcttc ttcagggatg aaattctctc agtcgactgg taaatcaaat tctgttgaaa 180

aggagattga agaagtgaaa atgaaaccaa atatggatat ccgtctgagt gatatgaaac 240

ttgttttagg accagagctg aggataatgt acccttttaat tcttaatttt gctgttagtg 300

gtgagcttga acttgatggc atggctcatc caaaatttat caaaccaaag ggtgtcctaa 360

cattcgaaaa cggagatgtc aatcttgtgg ctactcaggt acgtctgaag anggaacatc 420

tcaacgttgc aaagtttgag cctgaacatg gactanatcc tcgctaaatt anncctaagt 480

tggttcaaaa tggcaaattt aagggtt 507

<210> 13642
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-022-Q1-E1-A11

<400> 13642

gccaacgcgt ccgagctact tcaccacccg cagattctgc catgtggctt ctctctcttc 60

tacagctcac ttcttctctc tctgtctctc tctaactaca ttgaaaccaa accagagtgc 120

ttcaatgtca ttgctgtgat tctctttaag tccagacata actcccatat cttcttcttc 180

tgtctttttt tatttctttg aaccggagaa gaagaagaag aaggagaagg atatatggga 240

ggctgtactt ccaaaccttc ctcctccgtc aaacctaatc cttacgcacc caaagacgcg 300

gttctccaaa atgacgattc tacccctgct catcccggga aatcaccggt tcgttcatct 360

cccgccgtaa aggcctctcc ttttttccct ttttacacgc ctagtcccgc ccggcaccgc 420

cgtaacaaga gccgcgacgg ggggg 445

<210> 13643
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-A12

<400> 13643

nnngnntnnt ttnnnnggcc ctgtctngcc tggntcgtac cggtcngana attcccgggn 60

cgccacacgc gtccgctaag atcctccatt tgagggtgag tcttgcggat tctcgtgtca 120

tcttgaatgt gctttcaaca ctgaaaaatc cggtcttgga aaagacaagc aaagtgaggg 180

atgctgcttc tattgtgtct cttgcggtaa agcaaacagt ttgcttgaat gctggaagaa 240

gcaattgacg attgctaaag aaaccagaag ggtagaagtg ctttgttacc gtcttttctt 300

agtccagaaa ctattgaaga gctcaactaa ataccgaaat ctgtgtgagg ttgtggatga 360

agctgtcaag actcttgaag ctgatgtggg tcctctcact ggtcttccta tgaaaatggg 420

tagaggaatt gtaaacagac ttcattcggg acccgatgtg cagaaacttt gctcttctgc 480

tcttgaatct cttgaaacta tagcaactac acctcc 516

<210> 13644
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-A2

<400> 13644

ngtctctcnc ttgtagcaat gccgcttctt catccacagt cgttgcggca tccttctttc 60

gagattcaga cccaaagaag aagcaattcc acaacaagat tgcttctttc tcacaagttt 120

ctccattctc aagcttccat tatctcaatc tccaggacaa gaatcctcaa acgggtctct 180

cagaatctct ctgtagctaa agctgcttca gctcaagcta gtagtagtgt tggtgagagt 240

gttgctcaaa catcagaaaa agatgtgttg aangctctgt ctcagattan tgatcctgat 300

tttgggacag atattgtttc ttgtgggntt gtgaaagatt tgggggatta atgnaagctt 360

tggggtgagg tttccgttcc gnttgggagc tgaacaacaa cccgnatgtc cagtcaaagg 420

acatgttttg agnaacaang gnaaatgaag gtaatttgca gccctcc 467

<210> 13645
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-A3

<400> 13645

atttctctct tcgaagaaga agaagaagaa gaagatatgg gtgttgattt ggatttggaa 60

tccatctccg aagccacctc cggagccatt ggatctcttc tcagcancac cattttatac 120

cctcttgata cctgtaaatc caagttccaa gccgagattc gtgttcgcgg tcagcagaaa 180

tacagatatc tgtcagatgt gttttgggaa gcaatttcat caggaaatgt tctctccttg 240

tatcaaggcc ttgggactaa gaatttgcag tcttttagtt cgtccttcat ctatttctat 300

agttatagct anttcaaaga agggtacatt cccaaaagga tgggttctaa agtccattgg 360

gnancaaaag ggctaatctc cctcaantgc tggcggctgg cctggtggcc ttgtnccctc 420

ctggttttgg actccaaacc tccganaata aaaagcttca atccgangg 469

<210> 13646
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-A4

<400> 13646

agatggagtg gtgaagaaca aaaccgtata accgttcggt tcagaggtgc cgaaccgaac 60

cgacccgtaa accgaaatcc tcaaaagaaa ttgccgatcg gtttgctact gttcaaaacc 120

tcggtgccga gaaccgaaac tgtcggtttt ttcggttcgg gtttctcggt ttcttccgaa 180

ctcccaggcc tagtttggtt ttatttttca cgagttttgc ttctcttttc atcggcgacg 240

acgacgtcga gtttctgtca aaacgttaac gatccgactc gagcgtcgac agtaagagaa 300

gaagacagcg attgtgtgta gatcgacggc gaacgtgtgt ccattcgtct cgatngacgg 360

agaatacgtt tcgatccggt ttcgattcaa atcngagagt ttgaggatct aaatccggaa 420

attgcattaa tactcancct ccaaanctcc tcnggaag 458

<210> 13647
<211> 556
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-A5

<400> 13647

tcantgtctc gcctggncct aaaggtccga nattcccggg tngacccacg cntccgctta 60

tatctctcac aattcagcaa tggcttcttc tatagttacc tctagcttga agcctttagc 120

catggccgat tcttcctctt ctaccatttt ctcccatcct tccatctcct ctagnatctc 180

ttcctccaga attcgcagct ccagtgtttc cctccttacc ggacgcatta acctgcccct 240

ctctttctct cgcgtctctc tatctcttaa naccaaaacc caccttaaaa aatccccctt 300

tgtctccttc gttgcncaga cttcggattg ggctgaagaa ngtggagaag gaacgtcgct 360

gttgangaga ccgagaacan gttttagagt cacaaggatg ttgagcnnaa gggagatgag 420

angcgaangg gagaatgccg aagccgaang gaagaattgt tgaagccgaa agggagaatt 480

taanaagccg aaanggggna atgttaagcc gaaaggggaa nctgtttnaa ncngaaaana 540

aaccttgann ttttcc 556

<210> 13648
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-A6

<400> 13648

nagtctaagc gagagagcaa aagagaaggc actggaagtt atcggaattt gcatcttttt 60

gattccgccg ttttgcgtct gacgtgttca cggcggcaac ctccatggac gacggtgacc 120

tcggtaacaa ccaccataac ttcctcggtg gagctggtaa tcgtttatca gccgaatctt 180

tgccgttaat cgatacgcgt cttttgtccc agtcagaact tcgcgctctc tctcagtgtt 240

cttctctatc tccatcttct tcagcgtctc tcgccgcttc cgccggtgga gacgacgatt 300

tgacaccaaa gatcgatcgc tccgttttca atgagtccgc tggtagncgg aaacagacat 360

ttctccgtct ccgccttgcg cgccancctc aaacancggg aggaaantcc ntcgncgcaa 420

cgtcagagag acgantcttc ccgttaaana 450

<210> 13649
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-022-Q1-E1-A8

<400> 13649

aaggtgttaa gagtgatggg acggtgtctc acttcttcca taaagcaatc aaagcttata 60

gcacaggaac tcgaaagcgt agaaagattc acgacgatga ttttggcgat gtgcgctggc 120

ataagacagg aagaacgaaa ccggttgtgt tggatggtgt tcaaagaggt tgcaagaaga 180

taatggttct ctatggcgga aaagctgtga aaaccaactg ggtgatgcac caataccatt 240

tgggaataga agaagacgag aaggaaggtg attatgttgt ttctaagatt ttctaccagc 300

agccacaaca gctagtagtc aagcgaggtg ataaagctga acaggaagtc tctgaggata 360

tctttgctgc agtgactcca acagcggatc ctgtcactcc aaaattagct acacctgagc 420

ctcgaaatgc tgtgcga 437

<210> 13650
<211> 538
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-A9

<400> 13650

ggnnnnnnnn nnnngntngn ggaagtgtct tcnnggcccg ntttttctgg cncgtaccgg 60

tcgganaatt cccgggncgc canacgcgtc cgcgacgtct ccgttgagtc tcctcagcca 120

ccgctatttc ccgatgaagc tctccccact aaatctggct acctcccggt taaacccgca 180

cccggctcgt ccatgttcta tgccttctac gaagcccaag agccaaccac acctcttcct 240

gacactccgc tcctcgtttg gctccaaggt gggccaggct gctcttcaat gattggcaac 300

ttttacgagc tcggtccctg gcgtgtagtt tcacgcgcca cagacctcga gcgcaacccc 360

ggcgcatgga accgtctatt cggactactt tttgtggata acccaatagg agtcggattc 420

agcatcgcag cctcacaaca agacataccc acaaatcaga gacaggtcgc tgagcatctt 480

tacgccgctc tcgtggagtt ccttgaacaa aacccaaagc ttcgaaaacc ggncgggt 538

<210> 13651
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-B11

<400> 13651

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ncgccncacg cgtccgttnt aataaagtcc ttctcttgtg aaaatctctc gaattttcat 120

ttttgttcca ttggagctat cttatagatc acaaccagag aaaaagatca aatctttacc 180

gttaatggag gaagtatctc cggcgatcgc aggtcctttc aggccattct ccgaaaccca 240

gatggatttc accgggatca gattgggtaa aggttactgc aataaccaat actcaaatca 300

agattccgag aacggagatc taatggtttc gttaccggag acttcatcat gctctgtttc 360

tgggtcacat ggttctgaat ctaggaaagt tttgatttct cggatcaatt ctcctaattt 420

aaacatgaag gaatcagcag ctgctgatat agtcgtcgtt gatatctccg ccggagatga 480

gatnaacggc tcagatatta ctaccgagaa gaanat 516

<210> 13652
<211> 527
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-B2

<400> 13652

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cgcgtccgct gaaaaatcac acaaaaacaa acaaaacttt gcttacgtca catcattatc 120

tgtgactaat tcttaatcat catcatcatc atcacttact taaatctaaa aaaatctctg 180

tttgtatata tattatcttt gcgattttta tccaaatctt ccaaagctta gtttttttt 240

tttttcaatt tctctcttgc gttttcgatt ttattacaag aactttgttt tgggcttcat 300

ccatcgttca aggttcgttg aaaactatga agaaagttga gtttttttatg ctccttctct 360

gcttcatcgc agcgtcatct ctagtgtctg ctgatccanc aacangtcct gctgatttgg 420

gaagcaagtg tagtgattct gatgactggc aagggtgatt cttccctgga atccccaaga 480

ttaagtntga agggaccttc nnngtangaa ccacttgctt acangtg 527

<210> 13653
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-B4

<400> 13653

anagctttat tcttgcccta gagataccga gcgggagatt ccagattgag agcagcttcg 60

agtctctctc tcctcgccgt tccttttcgc ttcttcaagt ttcgttgcca gagagattct 120

aggtattgaa gttatagaat ggactttgat gagtatgagt acttagagaa gacagttgaa 180

aatcctcacc tggagaatga agttggtaat ggtggtggtg atgagaaagt caaatctgaa 240

gggaaagaga ggagtaggag ctcaaggcat aggggtgaca agaagaagga gagggatgaa 300

gatgaggatg gtcggccgtt ctaagcggtc gaagatcgca tcaccgttca cgttctangg 360

acagagagag ggataggcat agaagttagc agggagcaca gagatagaga tcgtgaaaag 420

gatgtagatn aagaagnaag aaatggggaa aggttngnga g 461

<210> 13654
<211> 521
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-B7

<400> 13654

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aaaagaggag tttgaggttg agtctgatga ttacatcaca tcaattgaag tttctgtcga 120

caatgtcttt ggttttaaga gtgaaatcgt cacttctctt gtcttcaaga cctttnnggg 180

aataacctca caacctttg gaatggagac tgagaagaaa ttggaactta aagacggtaa 240

aggaggaaaa cttgtgggat tccatgggaa agctagtgat gttctttatg ctcttggcgc 300

ttatttcgct ccaacaacaa attcaactac gccatcgact ccttctacat ctaaganact 360

acaagcaaga ggtggaaatg gangagcttc ttgggatgat ggtgtttttg atggngttan 420

aangatactt ggtangtcaa gggaaacnat ngnggtagcc ttcngttacc ttttgagttc 480

aaaaaaangg ggncccanag gcaatcccnc ggngaatttn t 521

<210> 13655
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-A10

<400> 13655

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caanacgcgt ccgcnaatag ctcagaaaaa gcccattctt tttttctatt cttgtttatt 120

ttaatcatac tgtgcgtttc tacaaagttt gttcctttct tcttcaactc tctcactcgg 180

agtcacaggg atctgtttct tttctttttt tgctttcact cttctcttcc agtgagagag 240

agtgagagaa aatggtgaag cttttgttag tagggtttgt tgtggctggt ataatactgg 300

gaactcaggc aaatgaatat ttagatttca atgtgacaga antagatcgc attgaggaat 360

tagagtttgg nttttccaaa tatagctcca atttgaaccc tttnatggtt ggnctcaccc 420

ttatcagagg agctgattct ggagctgttt gtttggatgg aacattgcct ggatatcact 480

tgcaccgtng acatggntnt ngagctnatc gntgg 515

<210> 13656
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-020-Q1-E1-G3

<400> 13656

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tgatgccttt accaagaaac agttttccaa aggatttcct cttcggagcc gccacttctg 120

cttatcagtg ggaaggagct gttgctgaag atggaagaac tcctagtgtc tgggatactt 180

tctccaactc ttacgataca ggtaatggag atgtaacatc tgatgggtat cacaaataca 240

aggaagatgt taagctgatg gcaacaatgg gcttagaatc attcagattc tctatctcct 300

ggtcaagact tatacctaat ggaagaagga ctcattaatc caaaaaggac taatggttta 360

caacaatctc atcaaaagac ctaaaaagcc aagggatcca accacatgtt acacttaaca 420

ctaagatctt cccaatccct tg 442

<210> 13657
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-G4

<400> 13657

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cgtccgaaaa aagaagagaa aaggagttat atatggattg tattttactt attctgacta 120

ctcttgttgc cattttcatc gtcaagattg ttctcctagt cactaaacct aacaaaaacc 180

ttccaccgtc gccaaatata tgttttccga tcatcggaca ccttcacctc ctcaaaaagc 240

cactgctaca ccggactctc agccatctct cccactccct cggccccgtc ttttctctac 300

gcctcggctc tcgccttgcc gttatcatct catctccaac ggcagccgaa gaatgcttct 360

tgacgaaaaa cgacatcgtt ttagcaaatc ggcctcgttt catcatgggc aagtatgtgg 420

cttatgacta cacctccatg gttacggntc cttacggtga ccactggcga aactccgtcg 480

tatcaacgct ttagaagtct ctccacaaa 509

<210> 13658
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-G6

<400> 13658

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ccctttcgta tcttccttct catttttttg ccaaatttat tcgatccgtc tttcactatg 120

tatccgatgg attctgatta ccatcgccgt ggtctggtgg caaacgatcg ttcaccagct 180

cagtttgtta ggctggataa accgagagcc gtagacgatc tctatatagg caagagagaa 240

aagatgcgta ggtggttgtg ctgtgcttgc cacgttgaag aaccttacca ttcttctgaa 300

aatgaacacc tcagaagccc taagcaccac aatgattttg ggcatcacac tagaaaacca 360

cangcggctg tgaagcctga tgctttgaag gagcctccat ctattgatgt gcctgcattg 420

tcattgggat gagttga 437

<210> 13659
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-G8

<400> 13659

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cacgcgtccg caagcggatg attcaaagag tgtggttcta aagggagtaa cgcacggtgc 120

ggttgattac cttatcaagc ctgtacgtat ggaggcactt aagaacatat ggcagcatgt 180

agttaggaag aggagaagtg aatggagtgt accggaacat tctgggagca ttgaggagac 240

tggcgagaga cagcagcagc aacatagagg aggtggtggt ggtgcagctg tttctggtgg 300

agaggatgcg gtggatgata actcatcctc ggttaacgaa ggtaacaatt ggaggagcag 360

ttcacggaag aggaaagacg aggaaggaga agagcaagga gatgataagg acgaagatgc 420

gtcgaatttg aagaaaccgc gtgtcgtctg gtctgttgaa ttgcatcanc agtttgttgc 480

tgctgttaat cagctccgcg tttagaaagc ggg 513

<210> 13660
<211> 87
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-H1

<400> 13660

caccgttcgc tgangagtac atcagcttct gttgtcacca ccntcggatc accgggtnac 60

cgattctcgt tcaggttcat ntgaatg 87

<210> 13661
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-H10

<400> 13661

nnnggnnnnn nnnnantatt gttcggccgc cnggtcngaa anaanggnng gcggccccac 60

gcgtccgaga agaaataggc tctgctctgc gccttttcta caagaaattc accaaaaaag 120

cttgaatatt tatcggaatc aaagcttggg tttttaatcc tggtaaagcc atgtcacata 180

tggtgtttca gagcgttgtc gctcccaaac ccttatctcc tctcaaaccc tgtttaccta 240

tccctcgtcc actcgttact ctgccttgta agctccgtcg tggcttcgtt agagcttctt 300

cgtcctcgtt tcttgtcgat gattcagttt caggactcga gcgttgctta cagttacctt 360

ctggagttga gttaggcaca tcttcctctg gctctttctc tgcaagtact cagatgtgtc 420

ctgtgatgaa aggcaaattt ggttcggtag gagctgttac tttggnaaaa gggaaacttg 480

atatgaccca aaagattctg agaacaa 507

<210> 13662
<211> 72
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-H11

<400> 13662

canacaacgg cgaacttcct gatgatatcg aatacgaagg ttgatctcaa aagntanctt 60

tgccaaacac ca 72

<210> 13663
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-020-Q1-E1-H12

<400> 13663

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tgatgtcatc cgatctatcg aggtcgaata cgacggaacc tcccttaagt cccagccacg 180

tggcaccgct ggcaccaaaa ttgacggatt tacactgagc tctgatgagt atataacgga 240

ggtgaatggt tactacaaaa ctacgttttc gggagaagtc ataacgtcgt tgacgttcaa 300

gacgaacaaa aggacatatg ggacttacgg aaataaaacc agtagctact tttctgttgc 360

cgcacccaaa ggataaccaa gattgtcggt tttcctggaa gtagcaacca tgctctcaac 420

tccatcgacg ctcaatttgc c 441

<210> 13664
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-H4

<400> 13664

gnnnnnngaa ctgtntcgtc nctcggntcg tccgaaaatt anagggtcca ccnacgcgtc 60

cggtgggata agaggttttg gaggaatgtg gagaaaaaaa taagcaagaa agagtcaaag 120

aagcgagccg ctaaactgga gaagttgctc cgtaaacagg aacgagaaga agccacatca 180

tcatctcttt ctctggagga ggaggatgaa tcgtgttcca gcaactacgg tgacgtgact 240

actaacgagt tgcagtcggc tgttgaggga aaagagctca ctgatgtgag caacttggtt 300

gaagagattg tggggtcaga ggtttcgatc agaggtcgac tgcacaagaa tcgcttagtc 360

ggtaccaaat tgtttgtgat cttgagggaa agtggattca cggttcaatg cntggtggan 420

gagaacanaa ttggtgcaaa catgattaaa tttgtcaagc aactgantcn tgaatccgtt 480

gttgaaccta ncggtgtcct cccctcaanc 510

<210> 13665
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-020-Q1-E1-H5

<400> 13665

ctttctaggt aggagggact cctctgagca aatgccgttt tgtgggtgcg ctattggtgc 60

tgttgatggg ggtctttatg ttattggtgg actttctagg tctaaaacag tgagctgtgt 120

ttggcggttt gatccgattt tgaactcttg gagtgaagtt agttctatgt tggcgagtcg 180

ggcttattcc aaaacaggtg tattgaataa gaaactatat gttgttggag gggttgatcg 240

gggacgggga ggtttatctc ctcttcagtc agctgaggtt tatgatccaa gcacggatgc 300

ttggtcagag gttccgagca tgcctttctc aaaggcgcaa gtgttgccaa atgcgttttt 360

ggctgactta ctaaagccta ttgccacagg aatgacttgc tacaacggta ggttatgtgt 420

tcctcaaagt ttata 435

<210> 13666
<211> 418
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-H8

<400> 13666

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ctaatactgg tggtgctctc actctacttc ttgtgttctt gctcggaggc ttccttcttc 120

cgaaaggcaa gattcctgac tggtggggtt gggcttactg ggtatctcct ctcacctatg 180

ctttcaacgg tctagtagtc aatgaaatgt ttgctcccag atggatgaac aaaatggctt 240

cttccaacaa cacaataaaa cttggaaact aatggtgctt aataacttgg gangtntaac 300

aacaaaagaa ctggtactgg atttcaattg gancttgct ttgtttcana nncctcctca 360

acattccaat caacttggna ctaactanct caaacctcct gggaaaaaag naagttta 418

<210> 13667
<211> 94
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-A12

<400> 13667

ccntgtcttt cagaggacnt agcatgccaa atgcaatatc tggaatgggt gttgcanatg 60

acagcataac cacatttctg gagcttcaan ggaa 94

<210> 13668
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-A2

<400> 13668

gnngacgcgt gggatcaaca gcaggaagcg gctaagttat catatagtca atccgctaat 60

acaatgtcat cattgatgcc acctgcttca attgaacccg tacatgagtg gggtgggaac 120

gggaggacaa tggcagcaca ttctagaagt gtatcagagc cagatttcag taggacgcca 180

atacaggatc agactgactc ctcaaaagac aaaagctcct gatggggtga cacagggtga 240

aatcaactcc ggaaggtgcc aaagttctcc gggttaaccc gctttggtaa ttgggcataa 300

ttgaagnaac acttgtnagg gaaaaggcct tcccaanctc cgattaatcc nnaatngaag 360

gcaaaacctg ggttaatgna gaaatcaatt ctanctaatg gacnaattac cctaaaagaa 420

aatgggttgg gaaaaaaggg gtttggaacc cccaaanctt agggaaccct gnactaccnc 480

ccncccnc 488

<210> 13669
<211> 523
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-A3

<400> 13669

tnnngganct gtntncctgn cctctcgcgt gnccnaaatc nnggganacc ncacgcgtcc 60

naanaaagag tcannccact atggatgata gttcttcaac ttgttctaat gattctatcc 120

gatcgggggt aaccaatggg tcctaccaag ggaattcctt gaatttccga aaccagaagt 180

cgccgaacaa aggaaagaac caacaagtga aagcaatgac tgatgcccac agtttagcga 240

gtgaaacaga tgatcaaccc tcaacacttg gaacagaccc caagggtcag aattattctt 300

ccgaggcaag caacgttggt gaatctgatt gggttgttgt ctcccacatc caggagccag 360

agggttctcg aaatcgtatt cctgttggga gggaacgcaa aacggttcaa tccattgtga 420

actcggtcga catggatcga cctaaaagag aaaagcactg ctgtactttc ttctcccaga 480

aaatgttgcc cagaatccnt caacaattaa ctcagaccaa ncg 523

<210> 13670
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-A5

<400> 13670

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naacgcgtcc ggctcatggt acggagccgt ttgaagcggt ggttatgatc gatgtgctac 120

ggcgaggcgg agcggatgtt acggtggctt ccgttgagaa tcaggtcggc gttgatgctt 180

gccatggaat caaaatggtc gctgatactc ttctctctga tatcaccgac tcggttttcg 240

accttattat gctccctgga ggacttcctg gtggtgagac tcttaagaat tgtaaacctt 300

tagagaagat ggtgaagaag caagacactg atggacgact taacgctgct atctgttgtg 360

cgccggcgtt ggcgtttggt acttggggac tactagaggg taaaaaagta tgtgtgtagt 420

gagtgatcag tatccaagaa gttttctttt cttttgagtt tgtaattttg gtgtanaaat 480

cacatacgtt gccttgcaag gctacatgt 509

<210> 13671
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-G10

<400> 13671

ggnnnnnnng aantgttttc nnngcngttc taccggtaag ttnttcccgg gcgggcccca 60

cgcgtccnag aaagatcctg tcgcttctgt tctcacatcg tcagatggga gctacttatt 120

caagaatatt attccaggaa catacaatat ccgtgcatcc catccagagc tgcaagttga 180

agttcgcggt tcaacagagg tggaacttgg atttgcaaat ggcatggttg atgacatatt 240

cttcgtcctt ggttatgatc ttaaggggtc ggttgttgct caggggaatc caatcctggg 300

tgtccatata tatttgcatt cagatgatgt ttccatggta gattgtcccc aaggatctgg 360

tgacgctgct ggagaaagga aatctctttg ccatgctgta tccgatgcag aaggaatttt 420

cagtttcaag tccatccctt gtggnaaata cgaattggtg ccgcattata agggtgagaa 480

tacggtcctt gatgttcact cccggta 507

<210> 13672
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-E4

<400> 13672

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tccgggntga tcctctctct tctatctctc caactgatcc tcttcctcac tctccgatcc 120

atccctttc ctcaccgtca catccccgaa aacttccctt ctcccgccgc cgtcgtcacc 180

accaccgtca caaccaccgt catttctgcc gcctcttcca atccccctct ctcatcctcc 240

tcatctgacg aacgatgcga ttcaggtcga gtcttcgtct acgacatgcc aaagatcttc 300

aacgaagtga ttctacaaca gtgtgataat ctcaatccat ggagctctcg ctgcgacgca 360

ctttctaacg acgggtttgg tcaagaagcg acgtcgttaa gcaacgtgat ccctaaagat 420

ttggttcaat catggttttg gactgaccaa ttcgtaaccg aaattatttt ccataaccgg 480

attttaaacc aacggtgtcg gactttggg 509

<210> 13673
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-020-Q1-E1-E5

<400> 13673

gtttagtgaa aattgggttg tttaccacta tttcaatctt cgagctcaca agtacgaggt 60

tacggtcgtt gagatctatg atcagtcgag ggcggagaac aaaaatgtgt ggaaactcat 120

tctgggaaag cacaatctaa cagcacccat cacttcgtac tctaggccag aggtgtttac 180

aaagtcacag tcatacttct ttgctcagtc tgtgaaaacc attgcggtga catccacagc 240

aaagggtata acttcaaagc agcttctcat tggtaccatc ggggatcaga tattggcact 300

tgataaacga tttgtggatc cacgccggac acttaacccg tctcaagctg aaaaagaaga 360

aggaatcatc cctctcactg atacattacc catcattcct caagcgtatg ttacacactc 420

ccacaaagta ga 432

<210> 13674
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-E6

<400> 13674

ggnnngnnng nttttgtcca gcctgcncgt accgaaacca caattcncgg gnccacccac 60

gcgtccggnc tctcttccct cgtaaacatc gctgtctcta aagatggcct ctctctcagg 120

cctatactct tcttctccat ctctcaaacc tgccaaaaac cattccttta aagcattgcc 180

ggcgcaatct cgagattcct tctctttccc acatacctcc aaacccacca atctaccgtt 240

gactctctcc tcggctcgtt ctgtggcacg cgacatttct catgcggatt cgaagaaaga 300

gcttcttaag gatccggatg cgttgtggaa gcgatacctc gattggtttt atcagcagaa 360

agagcttggg ttgtatctgg atattagtcg ggtcggattt accgatgagt ttgtggctga 420

aatggagcca aggtttcaag ctgcgtttaa ggctatggag gatcttgaaa aanggtctat 480

agcgaatcct gatgaaggaa gaatggg 507

<210> 13675
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-F10

<400> 13675

ttgagaaaat ttgacttctt cgaggagaaa tacggaggca agatacctga ggatgtaacc 60

ggagatatac aatgttgttc cagtggccgt ggcaaagtcg tcatcggctc taacgacgga 120

tccgtcagct tcctcgatcg cggtgtaaag ttcgattccg gtttccaagc tcactcttcc 180

tccgtcctct tccttcaaca cctcaagcaa aggaactttc tcgtcaccgt cggagaagat 240

gaacaaatat cgccgcaaca gtcagggatg tgtcttaagg tttttgatct tgacaaagtt 300

caggaggaag gtactaagtt cctcggctcc tgaatgcatt ggtattctta agaatttcac 360

caatcagttt cctgaagcta agattacttc ttttccaatc cttgggngga anttcaccaa 420

tattgcttaa anccattggg 440

<210> 13676
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-F11

<400> 13676

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agtcagtaga gaaatggcgg gaatcgtgac agagccgtgg tcagtagctg agaacggaaa 120

cccaagcata acggcgaaag gatcgagcag agaactaaga cttggaagaa ccgctcacaa 180

catgtcttct tcttctttga ggaaaaaatc agacctccga gtgattcaga aggttccata 240

caaaggtctt aaagattttc tctctaatct ccaagaagtc attctcggaa caaagcttgc 300

cattcttttt ccggccattc ctgccgccat tatttgcacc tattgtggcg tcagtcagcc 360

ttggatattt ggacttagct tgctangact gacacctttg gctgancgaa tcagcttttg 420

acagagcaac tagctttca 439

<210> 13677
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-F12

<400> 13677

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atctctgtgt tcttgagctc agtattgttg ttatatagag gagaatctgg aatcacaagt 120

agttttattc gatctgaatg gcctgcggtt gatataccac ttgatcatca tgttttcaaa 180

gtcccaaaag gatataatgc accacaacaa gtacacataa ctcaaggtga ttatgatggt 240

aaagctgtta tcatctcttg ggttacacct gatgaacctg gttctagcca agtacattac 300

ggtgcggttc aggggaaata tgagtttgtt gctcaaggga cttaccataa ctacacgttt 360

tacaagtata agtctggctt tattcatcac tgccttgtct ctgaccttga gcatgataca 420

anatactant acaagat 437

<210> 13678
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-F2

<400> 13678

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gcgtccgaaa caaactgggg aagatgaaga tggagtggtg aagaacaaaa ccgtataacc 120

gttcggttca gaggtgccga accgaaccga cccgtaaacc gaaatcctca aaagaaattg 180

ccgatcggtt tgctactgtt caaaacctcg gtgccgagaa ccgaaactgt cggttttttc 240

ggttcgggtt tctcggtttc ttccgaactc ccaggcctag tttggtttta tttttcacga 300

gttttgcttc tcttttcatc ggcgacgacg acgtcgagtt tctgtcaaaa cgttaacgat 360

ccgactcgag cgtcgacagt aagagaagaa gacagcgatt gtgtgtagat cgacggcgaa 420

cgtgtgtcga ttcgtctcga tngacggaga atacgtttcg attcggtttc gattcaaatc 480

nggagaattt gaggatctaa atccggaaat t 511

<210> 13679
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-F3

<400> 13679

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attgttcgat atcaatgggg aagaacaata agatcggaag cgttgttcgg atccgtcaga 120

tgcttaaaca atggcagaaa aaagctcaca tcggatctag caacaacgat cctgtttccg 180

atgtacctcc tggtcacgtt gctgtttccg tcggtgagaa tcgtcggaga tacgttgtcc 240

gtgctaagca tttgaaccat ccgattttcc gacggcttct agctgaggct gaggaagagt 300

atggattcgc taacgttggt ccgttagcga ttccttgtga tgaatcgttg tttgaggata 360

ttattgcgat tgtgactcgg tgtgagtcgt catcatcatc tggacnangt aatcctccgg 420

cggcgacgcn tgangatctc cggangtgta ntcatgttgg attggcgaag aacaacgttg 480

aatccccgtc cgttact 497

<210> 13680
<211> 511

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-F4

<400> 13680

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cgcgtccgcg agacgcntgg gggggagtgc taatctatct ggagaactgg tgccacagct 120

tgctcagctt ccaaatttgc agtacttgga acttttttaac aataatatta ctggggagat 180

acctgaggag cttggcgact tgatggaact agtaagcttg gacctttttg caaacaacat 240

aagcggtccc atcccttcct ctcttggcaa actaggaaaa ctccgcttct tgcgtcttta 300

taacaacagc ttatctggag aaattccaag gtctttgact gctctgccgc tggatgttct 360

tgatatctca aacaatcggc tcagtggaga tattcctgtt aatggttcct tttcgcaatt 420

cacttctatg agttttgcca ataataaatt aagggcgcga cctgcatctc cttcacatca 480

ccttcaagaa cgtctgcaac aatantaatn g 511

<210> 13681
<211> 196
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-F5

<400> 13681

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gaagctccca ggataccacc acaatacagc acangatgat gtaccagttt ccactaccat 120

cccggtacca ctgtcngaga gtgtggtgga gcatgaccat cccnaggaat agaagaaagg 180

ttatntgaga agatca 196

<210> 13682
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-F8

<400> 13682

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gcaagattct ggtgatcgga gggactggtc acatcggaaa actcattata gaagcgagcg 120

tgaaagccgg acactccaca ctggctctcg ttagagaagc ctcgctctcc gatcccaaca 180

agggcaaaac cgtccagaat ttcaaagatt ttggcgtcac attacttcac ggggatttga 240

acgatcatga gagcttagtg aaggccatta aacaggccga tgtggttata tcaaccgttt 300

gggagcatgc aaatcttgga tcaaaccaag atcatttcag ctattaaaga ancccggtaa 360

cgtcaagaag atccttgccg tctgantttg ggatggacnt ggacaantca antgcggttg 420

ancctgcgaa aaccggcttt tggaaggaaa ctacngccaa ggggangact ttnaancggg 480

aaggattcca tccnctt 497

<210> 13683
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-F9

<400> 13683

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atgcaaattc gaatctcccg cgaaaacgcg attgctctct ccggcgaccg agaaacatgt 120

tgtcagatcg tcaagagcct ggcgtattcg ttgcttatcc gatgatcctg gttcgagtca 180

tgttttcgtt gcaagtagaa ggaaaatggt agtcttgttg tcgacggtgc agcttctgtc 240

tcatatgctt ccgcaaaacg ggaacgcagc tgagatttat ccggtgatgc aaaacgaaat 300

aaggaaagtg gtgacaaagg gcaaggctgc tggtgtgctt cgtttantgt ttcatgatgc 360

tggaaccttt gaactggacg atcattctgg tggcatcaac ggatcaattg cntaagaacc 420

ttgagaagac t 431

<210> 13684
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-G1

<400> 13684

ngnnnggaat gtccgttgca cggccggtcc gactnttaac ggggggcccn acgcgtccgc 60

naacgcgtcc gcccacgcgt ccgctaacct ttctttgaaa tcttgacctt tcccttcctt 120

ctccgctaaa ttcgttttaa tttcatcttc ttcttcttct tcaattcgat gcaataatag 180

tcacttcaat ctcaatctag ggttttcaat tttcttcatg tgaatttttt ttccccttct 240

tctcaatttc aattcaatct gggattcgta aattctcgga agatgaaacg cgatttcgac 300

gaaatctccg aggaagagtg gtctcaacac tcgtttaacg cttcgcgagt tcttaaacga 360

acacgggctc cgaagaagac tcgcgcgggg acgaatccaa cgccgtcgat tgagtccttt 420

gcgtttanga gaacttcgac ggngatgacg attgagagta atagcaacga tggtgattgt 480

gttgaaaatg aggattggg 499

<210> 13685
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-E2

<400> 13685

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atcgatcctg aggatgagaa cattgatttc ctgaggatgt gccaaagcat aaaggagaaa 120

gaccctaact ttaagttcga gtttactttg gatgcaaatg ataagttaga aaatattgcc 180

tggtcgtatg cttcttccat tcagtcatat gaactctttg gagatgctgt tgttttcgat 240

acaacacatc gcttaagtgc tgttgagatg ccacttggaa tatgggttgg agttaataac 300

tatggtgtcc cttgcttctt cggttgtgtg cttctacggg atgaaaattt gagatcgtgg 360

tcatgggcac tacaggcatt cacanggttc atgaatggga aggcacctca aacgatatta 420

acagaccata atatgtgtct caaagaagcc atagctggag agatgccaac cactaagcat 480

gcactctgca tatggatggt t 501

<210> 13686
<211> 504

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-C11

<400> 13686

agnnnntnng ngnaattttc ccagcgcctc taccggtaaa acattcccgg gnngccccac 60

gcgtccncga agatttcacc gactaatcgg agtttggatc ggagattaga tccgggaaat 120

cactgacgaa tcctttctgg attttggatc ggtctatgct tctctactct acttgatctt 180

gatcttcgag aaatttaact tcgttttgca attgatcgtc tcgctttaag aagcttgcag 240

atccgttgat ctctttctgt gattttgcgg ggtttagggt tagggtttta atttcgattt 300

cggttgtcaa ttttgatggc ttcgactgct gatttcctcc tggatgatca aacggacgag 360

gatttcttcg acaaacttgt tgatgattcc tatactccta ccgcttcatc ctctgccaag 420

gagctgaaat tcgatgacgg tagtgattcc gatgacgcca aaagctttgc taatctctcc 480

gtcgttgacg atgttttggg gtng 504

<210> 13687
<211> 254
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-C12

<400> 13687

tgaatggtta aggagtaatc ggcattagga tttgcagact tgtttttta tcgtgaccat 60

tctctttaga aactaagtta ttatggtcac gaaggttaaa gaacccttg gttgattttt 120

tgtcttgttc gtttggtatc ggatcctatg atactactat ttcggcttaa aggtgttatt 180

aacccanaaa aaaaaaaaaa aaaaaanaaa aaaaaaaaaa aaanaaaaaa aaaaaaaaaa 240

angaanaaag nnaa 254

<210> 13688
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-C3

<400> 13688

nngnnnggaa tgtctagttt ggacggccgg tccgacaatt aacgggncca cncacgcgtc 60

cgcnaacgcn tccgcttttt ctccggagct ctgactcttc ttctctccgg atccaaaaat 120

gaatcgtctc ttttctctct tctccatagc tctgatcgct ttcctctgcc tccaccatca 180

tgttctcgct tcttcctctt ccgacttcga aggtttcgat gctgaagacg acgatgtttc 240

agaagattcc actgagcttc accactctct ccgtcctcct cttctgactc agtctgagtc 300

aacggttctg gatctggacc catctcccga ttctgattct actcctgcat ctaaatctga 360

tcctcccact cagaccgtga agccttcgtc ctccatctcc ttcgattact gggatgaaga 420

tgagttcgaa ggattgccgg aggacgaaaa atctacggga gtctccggtt ttttccgatg 480

acgcctcctc ctcctggccg aat 503

<210> 13689
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-020-Q1-E1-C5

<400> 13689

tatctctgtc caaataagaa caaaaaaaga caagattcag aaaaaaatgg aggtttcgat 60

gagaaagcct tatttcatag aagaagaaga cgatggtttt gtttctttat ctgagatgga 120

agctggagtt tcaagtcctt cttgttacaa ctatcctcag agttattatt ataaccatca 180

tcatcatcag tactctgttt catctcccag atctggaaaa tttcatgatt ttagattcga 240

caatagctat tacggttatg gacagcctca tttcttggac tcttgcttcc tctgcaagaa 300

acgtcttggt gataacagag acatcttcat gtacaagagg agacacaccg ttctgtagtg 360

aagagtgtag agaagaacaa gatagaaaga gacgaagcaa aagagaagaa acagagtctg 420

tctacatctg tgaa 434

<210> 13690
<211> 524
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-C8

<400> 13690

tgtcctgccc gggtnctacc ggaaccgana atcccgngtn ngccccacgc gtncgcgaaa 60

aaacaagaga atcgagtaat gcaacaacaa ggtgaaccat cggttttgag tttgagaccc 120

ggcggtggcg gcggcaaaag caggcttttc gtccctcgct ttagctcctc ttcctctttt 180

gatcttacca atggcggctc cgaagaaacc ccttttcccg tcaagagaga aaattctggt 240

gaacgtgtga ggttttcccg agaagagata cttcaacaca aaaaatctgt tcaagtctcc 300

gatgaaattc ctagacgctg taagggaatc ncagttgagc tttttgggga aaaacaaaat 360

ttgggggggaa tcatgcaagc cgagaagtaa aattaccaaa tcnatactca agcatccgtc 420

ataaccgaag actgaataac cctttactng gnaaaaatnc nttccccana antccaaacc 480

cctnggggaa aaaaaaaggg ttaaagggaa naacccccccc ttaa 524

<210> 13691
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-D2

<400> 13691

atctcttaca agactgtttt tgtgttcaat tttgagtaga tatggaagtg gttgctgttg 60

ggtcaatgaa gacgcagaga caggagacat gggcttgctc tgtcactgag tcttttctcc 120

tcctcgtcgg aaagaatctg gcttgtcttc tccttgtggc agaatcatta ctgataggtt 180

tggttgctgt tgaccagagg ttgtctgtca aggagggtta caaaagagga agccgtattg 240

aggaaaacaa agatgctaat gacaatgacg atgacgacga tgatgaaaga cgctgatgag 300

gacgacgatg atgangatga tgctaatgat gaagatttct caaggggtna aagggaataa 360

aggagaaaaa gaagctgatt caaangatga ttctgtgaac aatggtggaa gaagaaacna 420

tgatgaagat gacgatgatg ang 443

<210> 13692
<211> 507
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-D6

<400> 13692

nnnnnngnnn gnttcgtcng cctgctcgta ccganccgaa aattcccggg nccacccacg 60

cgtccggaaa cagagagcat tatcaattat taacaattac acaagacagc gagattgtaa 120

aagagtaaga gagagagaat ggcaggagag gcagaggctt tggccacgac ggcaccgtta 180

gctccggtca ccagtcagcg aaaagtacgg aacgatttgg aggaaacatt accaaaacca 240

tacatggcaa gagcattagc agctccagat acagagcatc cgaatggaac agaaggtcac 300

gatagcaaag gaatgagtgt tatgcaacaa catgttgctt tcttcgacca aaacgacgat 360

ggaatcgtct atccttggga gacttataag ggatttcgtg accttggttt caacccaatt 420

tcctctatct tttggacctt actcataaac ttagcgttca gctacgttac acttccgagt 480

tgggtgccat caccattatt gccggtt 507

<210> 13693
<211> 523
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-D7

<400> 13693

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ccccacgcgn ccggaaaact ttgtagttga ccggatcatt ctcacttcgc cggccgacgt 120

tcttccttcc gccgtcggta tctatattta cgatccacga tctctcttgc tgtttctgtc 180

ttcatcgtga cgaaaatggc tgctcgtatc gggatcttct ccgtcttcgt agctgtattg 240

ttatctattt ctgcattttc ctcagctcag gatctccaga tcgtaaatgc cgagcgaagg 300

attgatttaa gctcacatat cgtgaaggcc ttcttgactc tcaaggttga aatattggga 360

aagattcctg ctgcannaat ngcttcttgc tttcccacct acccaagatt aaagaatttg 420

ggctatggta caagcccctn gcaactactg ggcaaagaaa gaagaagaaa aacttaattt 480

gccaatttan attgtanaaa ccaacttgan caacctgatg cac 523

<210> 13694
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-D8

<400> 13694

ggaataaagn tatattacgg ccgagtggta ccatacctta ntcggcccgg ccccccacgc 60

gancgcaaan gaccactgca caggcatgca ccgtcttcct ctctctcgct ctctttgtcg 120

caatctctgg aatttgtgtg atttttcgga attgcttttt taagtgtcac tcgtggttgg 180

gttcatctct tagttcgagg agtgttctat ttttggggct ttattgattc catcttctcc 240

cttgccgttt atgggataaa atcaacatca atgagggctt tcatgtgaga ttttgtgtgt 300

gaattttaat tcanatggnt gatatgcgta gacganatgg aantgnaggt tcctctaatc 360

atgaaaggaa tgangcaaga tantgtttcn aaatccagag ancttggac tttgatttgn 420

cctgcgatac tctttnccnt catgnnattt ggtgacaant gcnctnattc ttctggtagt 480

tatgtttaag tccattgctg gatttngatt 510

<210> 13695
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-D9

<400> 13695

ctagttctcg tttcaccaac ttaaatctga atgcatctca tcccggaggc atcaaacaag 60

aagttagaag acgacagtca cagcatggat ggcttcacag actggatcct aatgaaccgg 120

taatgctatt cacaaaaccg ctggttcccg ataaactggc agctgcaggg attgttcctc 180

caacaccgga ttcatcacca ggtcaacctc caagtcggtt tcaggggagg attgggcgtg 240

gtggccgaat tattttcgat agatggaatc cgttgatgca atctcacatt aattgtggaa 300

actcttatta cattgctcca aatcaccggt ctaccaactt cgattgagat attttcacaa 360

tcttgctttg taaagaattt tccatcanca atggtgtatg caataacgat tctcanctaa 420

ataat 425

<210> 13696
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-E1

<400> 13696

ggcgatttcc ccatacttag aggtcaagag aaataaaata tttttccggc gacgcaatgg 60

cttcttactc cggttgtttc ttcgtcgtta ctttggcagt tctgtcacaa tttctcttag 120

ccccagcttc agccttggtc aacagggaat acatcgattc caattgccaa agagtcaaaa 180

acaaagcctt ctgcatccaa actttgacca cctatcctcc tgccgctgct gccaccggcc 240

tgttaccatt ggctgaggcc gtggttggct tgcaatatcc cactgcgaga agacagctgg 300

tttcgcagca gagacagcca aaaaaggacg caacattgaa gaactcaagt ttaaacgaag 360

tgncaacgaa gcctaatgtt gggtattttt ggcgtctcta aaagaagcgc ctccaactgg 420

gaaactcaaa ggactcaacc aagacaang 449

<210> 13697
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-E11

<400> 13697

gagaacatca tcaatgaaga ccaattgcga gatccgacaa caccgcttct tttgatttcg 60

atcttacttt cctggatctc atagttaatc tggtttgagt ctagaaatgt cgagtgatgc 120

agctcgtacg ccattgttac ccactgagaa gatagatacc atggctcaag atttcaacct 180

gaactcaaga acttcttctt caagaaaacg aagattgcgt cgctctagaa gtgctcctcg 240

tggtgattgt atgtacaatg atgatgtcaa aatcgacgaa ccacctcctc atccgagtaa 300

aatcccaatg ttcagtgatc taaacccgaa tctcaggcga gtgatcatgt tcttggcttt 360

atatcttacc attggtacgc tctgtttcna ctcgtgagag accagatttc cggtcataaa 420

accagtggtg tggtanat 438

<210> 13698
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-E12

<400> 13698

catctctaaa tctcaaccgt ccgatcaaac aacttacaca acttccgtgc tggagaaata 60

aaaaaattag gtatttaata attcatcatt gccattggat tgtgtgtggc tgcgtcagta 120

aaacgtattc ttaaaagcaa ccattggtgt gattgactct ataagagaat tcgtcagcgt 180

gaagcaatct ccaatctaat cgcagcatat cttctccgat tcctattcgt ctctgcaatt 240

gaatcttccg gtaggcgaag atggcgacgt ctgcgaggat ttgttgcgga ggaggaagtg 300

catgcgccgt tcgttgtgat cgtcgcacgt taaatttgaa ttctcgatcg tcatgtgttg 360

ttccagtgac gaatcgacgg natatgtgtt gcgattggga anatttnatg ttcatggagg 420

at 422

<210> 13699
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-C1

<400> 13699

gnngnnngna actgtcncgc ttgntcgtgc cggtccgana attcacgggn ccacccacgc 60

gtccggaaaa aataaaaaaa ataatgggtc atcgaacaag aatgatcctt gtcctaaccc 120

tagttgtaat gtccatatgg ggttcggacg catcagcaat gcaaaagacg aaattcgacg 180

ccccactttt gactgaaaaa atcgcgacaa atagatcgat aattgtagat atcgaaggca 240

aaggagacta cacttcggtt cagaaagcca tcgatgctgt ccctgttggt aactctaatt 300

ggattattgt ccatgtccgt aaaggaatct acaaggagag agtgcacatt ccggagaaca 360

agccgttcat attcatgang ggtaatggaa aaggaaaaac ggtgatngaa tcctcncaaa 420

attcggtcca caatgttgcc tcaactaatt tcaaagtcca aggtaatcac ttgtcccctt 480

tgggaancan catccgaaat gatgc 505

<210> 13700
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-A10

<400> 13700

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tcaattttat ctcccgtgac actctctata cgatacgagc tactttctgg gcacacgaaa 120

tgcatctcag aggagattca cgcaaacgca atgaccatcg gaaaatacag cattataaac 180

cctcacgagg atcatcctct tccttcttcc cataaagtca ccgtcagggt cacatcgcca 240

caagggacgg cttatcacga atcggacgga gtagaatcgg gacaattctc gtttgtagct 300

gtggaaacag gggattacat aagttgcttc tccgccgtcg atcacaaacc agagacgacg 360

ctgatcattg actttgattg gaggacgggt attcatacca aggattggtc gaatgtggca 420

aaga 424

<210> 13701
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-A11

<400> 13701

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tctttttccc ccaaattcat atccttcctt agatattttt ctccntcttc ttcttctaga 120

ttccagctac tccagaagat tcttcgactt aatctgatgt gaggnggaag agcaatagag 180

gaagagaaga atcagaaaaa atggatccgg cgactaattc accgattatg ccgattgatt 240

taccgattat gcacganagt gatcgttacg acttcgttaa agatattggc tctggtaatt 300

tcggcgttgc tcgtctcatg accgatagag tcaccaagga gcttgttgct gttaaataca 360

tcnagagang agaaaagatt gatgaaaatg ttcatangga gattatcaat cataggatca 420

tttgagacat cctaatattg ttaggtttaa agangtgatt ttggcgcccn tccnatttgg 480

ctagtgg 487

<210> 13702
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-A12

<400> 13702

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gcgccgaaga aaaaatcgga gactgtcacg gcgccgacac cggcagcgaa gaagaattcg 120

agcgtggagg aggaaacaga agaggaagta gaggaagata tgccgtggat tcaagagaag 180

gcgttagacc tagtcgagtt cactggatcg gtgagtcagg cgattcctgg tcctcgagtt 240

ggaagtagca aattgccgtg gatgctcgcc gttccgttag cttacgccgg cgtcactttc 300

gtcactgctt tcgtcaaaac cgttcagaag ttcccttctc ctaaagctca gcgcaagaaa 360

ctggtgaatc agaatgctat gctttgcaga tctatagatg agctattaag gaaagctgga 420

acagtgcata 430

<210> 13703
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-A2

<400> 13703

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gtccgcangt tgaaggaggt tggaaaatta atggacaaaa gcgttggatt ggaaacagca 120

cctttgcaga tctgttgatc atctttgcga ggaatacaac aactaaccaa atcaacgggt 180

aagtcagatt attggctttc ttagatctct cagattttgt atcttaggtg tagaggtcgt 240

tcccagaaaa ctgaaggtaa tgaggtggct cttgatttca tcttatggta gtgctgtaaa 300

aatccatttt cataaagaat gctaaatagg ttgctacgca attgaatgtt ctgaacaata 360

aatttggtaa ggaccgttat caagtgcata ctggactaat gtctggctcc tcattcatct 420

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caagaaagat gcgcctggcc taaag 505

<210> 13704
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-A5

<400> 13704

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tcaaatccga atggaccact agaccatgaa ttattcctct tatgtgctcg tgatactgtc 120

aaacttctga gaaaccatcc aagcctggct ctttgggtgg gtggaaatga acaagttccg 180

ccaaaagaca taaatgaggc tctaaagcaa gaccttaggc ttcattctta ttttgaaacc 240

caattgttat cagacaaaga ttcagatcct agtgtttatc ttgacggtac tagagtttat 300

attcaaggat ctatgtggga cggctttgca gatggaaagg ggaacttcac tgacggncct 360

tatgagattc atacctgaag attttttttaa agacacatat tacaagtatg gggttcaatc 420

cggaggcc 428

<210> 13705
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-B10

<400> 13705

aaaatccaga ttttgtgttt agccgacgag aattgggaaa aatgtcgtgt acgcatgatc 60

acaactgcga agatcatgag tgttcttccg attggtctct ctacaaacac attgatctct 120

ccaaggtttc agctctgaat gaatctgttt cgggaagtgc aaaatcagtc ttcaaagcgt 180

gggaacagcg attacactct tctggggagc atttggagag caatgaggga gaccctgaat 240

tgcttgtttt tgtaccattt acatcagacg tcaagatcaa gagcatatca attgttggtg 300

gccctgaagg aacaagtcct tctaagttga gagtgtttat caatcgtgaa gggattgact 360

tctccgatgc tgagagtatg caagccgttc aggaatggga gttagctgaa aatttgcaag 420

gagtcttag 429

<210> 13706
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-B4

<400> 13706

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gcgtccgaag aaaatatcac agcaaaaatt ttctcgagaa aatccgaaga agacaaaaaa 120

aatggcggat cagctaaccg atgaccagat ctccgagttc aaggaagctt ttagcctatt 180

cgacaaagac ggagatggtt gtatcaccac aaaggagctt gggactgtga tgagatcact 240

tgggcagaac ccgacagaag ccgagctcca ggacatgatc aacgaagtgg atgcagacgg 300

gaacgggaca atagatttcc cagagttcct gaacctaatg gcacgtaaga tgaaagacac 360

tgattcagag gaagagctta aggaagcctt cagggttttt gacaaggacc agaacggttt 420

catctcggcg gctgagcttc gtcacgtgat gacaaatccn tgggggaaaa gttgacggat 480

gaagaaatcg atgagatgat tcgagaagnt g 511

<210> 13707
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-B8

<400> 13707

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tggaaggagt gaattgagaa ggtcgggcca atatggcgaa cttacaagtt tctgggatac 180

tcgaaaagtt tcagatgacg ggtaaagata aagattacag atacatggca acctctgatt 240

tgcttaatga gttgaataag gattccttta aaatcgacct ggacttggag gtgagattgt 300

cgagtatcat attgcaacag ctcgatgatg tggctggtga tgtttctgga ttggctgtta 360

aatgtcttgc tccattggtg aagaaggttg gagaagaacg aattgttgaa atgaccaaca 420

agttatg 427

<210> 13708
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-B9

<400> 13708

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ccatctcccc caccctttta tgcaacaatg ggaaattgtt gctctcacgg acgggactca 120

gccgataacg gagacgcatt ggaaaacgga gcttccgctt caaatgctgc caattcgact 180

ggtccaaccg cggaagcttc tgtaccacaa tcaaaacatg cacctccttc tcctcctcct 240

gcaaccaaac aaggccctat aggccctgtc ttaggtcgac ccatggaaga tgtaaaagct 300

tcatattctt tagggaaaga gctcgggcga ngccaatttg gtgtcacaca cctctgcaca 360

caagaaggca acaaggtcat caatttgctt gcaagacgat tgcaaaa 407

<210> 13709
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-C1

<400> 13709

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tccgaaaaac atggccgaag tcaagtatcc tctggaccat tttaagacgt tcaatgaatt 120

cttcgtacgg ggagttaaag cctggtgcaa gaccaattgc gtgcatggat caggatgatg 180

ttgctgtatc tgctgctgat tgtcgattaa tggcatttca atcggttgat gatagcacac 240

ggttctggat caagggccgt aagttttcaa tcaaaggcct ccttggaaat gatgtgcagt 300

cggatgcttt ccttgatgga tctttggtga tattccgatt ggcgccacag gactatcatc 360

gttttcattc tcctgtctct ggtgtcattg aaaagtttgt caatgtttct ggaagcttat 420

atacggttaa tccgattgct gtcaatagca agtactgtat gtgttcactg agaataaacg 480

gaccatccgt aattatatca a 501

<210> 13710
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-C11

<400> 13710

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ctccatggat cattcgcgag tccttanagc aaaaggattg agttagccnn aaggcttaaa 120

tctatacctt accaattcgt gcaagaagat ctccagaaca agagccaaac cctgctccgg 180

tataacccgg ttcacaagaa gatcccggtt cttgtccaca acgaagaccc ttatagaaga 240

tctaaagtcc ggttttgggc taactacatc caattacatc tttacgattt ggtgataaaa 300

gtggtgaaaa gcgaaggaga agagcaaaaa gaaaagctct cacangaagt aaangagaaa 360

ntgagcgtta tagagaaaga agggcttaag gagattttct ctgacactga tggtgaanca 420

actgtgacga acg 433

<210> 13711
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-C12

<400> 13711

aaacccattt tttatttgga tttttcattt gattttcccg ggaaagttgt aatttttatt 60

tttttgaggg agattgaaaa agttcgataa aaatgtgggg agccgccgca gaaccagcag 120

attcttatta cctgattcgt cctgagtgca ctgatgtccc caataccaaa ttcaagatca 180

aacctggtaa aactctaagt gtaagaaaat ggcaagctgc atttacaaca gaaggattcc 240

ttgatattgg caagactcta agtcgaatcc aacgaggggg gatccatcca tcaattagag 300

gagaagtctg ggaattctta cttggttgtt atgatccaaa aagcacattt gaagaaagag 360

agcaaatccg acaacgtaga agattgcagt atgcttcttg gaaggaggaa tgtaaacaaa 420

tgtttccccg t 431

<210> 13712
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-C7

<400> 13712

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ggggagatca atagacgtca accgttacag aggttacgat gagctgaggc atgatctagc 120

gcgcatgttt gggatcgaag gacagctcga agatcctcaa acatctgact ggaaacttgt 180

ttatgtcgat catgaaaatg acatcctcct cgtcggcgat gatccatggg aagaattcgt 240

aaactgtgtt cagagcatta agatcctttc atcagctgag gttcagcaga tgagcttaga 300

cgggaacttt gccggtgtac cagttactaa tcaagcttgt agtggcggtg acagtggcaa 360

tgcttggaga ngtcattatg atgataactc agccacttcg tttaaccggt gatggcagaa 420

gaattctctc 430

<210> 13713
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-C9

<400> 13713

ggcaattctt agtttctctt ctatcccctt tctgggtttt gtttgaaccc tagctcgctt 60

tggatccagt ggttttaagt taaaggtaaa tttatcgaaa gtaagtagat tcctaatggc 120

agcttccaat cattcatctg gtaaacctgg aggagtttta agtgatgctt tatgtaggga 180

gctctggcat gcctgtgctg gacctcttgt aaccctacct cgtgaagggg aacgagttta 240

ttatttccct gaaggccaca tggagcagct cgaggcatca atgcaccaag gtttggagca 300

acagatgcct tccttcaacc tcccatctaa gatcctctgt aaagttatca acatccagcg 360

cagggcagag cccgagactg acgaagtata tgcgcaaata accttattgc cagaactg 418

<210> 13714
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-A1

<400> 13714

gtcatcatct ctgacagcaa ggttattcac ataggcaaag aagtcattct tttgcatgct 60

gttttccaat aaagttaatt ctctaacaga acaagtttcg agattggata ttgacgacaa 120

cgatatggga cttggaggta gtgaaacaat ggaatgcaag tgtggtatgc ctctgtgtat 180

ctgtgtagct cctcccaaat caactgataa accaaaccca cctgctacca ttgctcctgt 240

ggttcttcct cagttgaagt cagaggcttc agcaaaaagt aaaggttcca cttccagcag 300

caatgctaga tnagctctaa atgctggact agacaacccc caaagagact atgaaaccag 360

tngggaagga ttaagagaaa cc 382

<210> 13715
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-018-Q1-E1-E5

<400> 13715

tcagattcga ttctccgacc ttcctcagtt caaaatgttc aacgtgaagg tcctacacgt 60

gaagttttga gctggctgtt ttagcttttg tgctgtttgg ccataattga tgcagccttt 120

tttagaaaca tagtacaaat atattatttt tgattcttga ttgttttggc ttactttggt 180

ggatgttgtg tgatcatcgt tcaaggcttc tttcttctat tatgcgcctt gattcatctc 240

acaaaacgcg gaaccagcag ctgtttgaga gaggttaatt atgtcagata gatgggctcg 300

acaaaacgcg gaacgtcctg caactacttt ggctgagaga agaaatgtga ataaaaacgt 360

ttcacttcag actgggtgaa gagttttcaa tggagtttct taaaggatca tactcctgtc 420

caatccccta tcgttg 436

<210> 13716
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-E7

<400> 13716

nggnnnntnn nggttatgtc caccctggtc gtacagtcct ctattcccgg gggcccccac 60

gcgtccggan agaagccatt ttccgttcca tcaagtctct tagccagagt gatggaagat 120

ggcgctacag ctccaacaat cccgaatcaa gcacttttgc tgctggctta gcctatgaaa 180

cgcttgctgg gagtgatttc attnagcacc ttcaagagtt tggttcatcc ttgattcaat 240

ccggtgaaag acngggtatc cctggaagcn tttctgacag tatccannnn tatgatgatg 300

gggacatttt attttgatga gaagtctgtt gatgcaagtc aaggcccgat ctcaacaact 360

gcatcagtta tanagggcca cgtcatttgc agcttcagaa tccacaggat tgaaccttcc 420

aggtgataag atanttggtc tggccaaatt cttctgggtg ttggaatccc tggtgatgcc 480

aaggacttct tcaaccaatn gatgcactan g 511

<210> 13717
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-018-Q1-E1-E8

<400> 13717

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attcgcttgc tccgacgata tctccaccaa tgtcgccgcc gctgagcgat tagtcagaga 120

agctcacgct aaaggagcta atatcattct tattcaggaa ctttttgaag gatattactt 180

ctgtcaagca caaagagaag acttctttaa gcgagccaag ccttacaaga accatcctac 240

cattgcaagg atgcagaagc tggcaaagga attgggtgta gtgatacctg ttagtttctt 300

tgaggaggca aatactgcac attacaattc gattgctata attgatgctg atggaactga 360

cttgggaatt tataggaagt ctcatattcc tgatggacct ggttatcaag agaagtttta 420

tttcaatcct gggaga 436

<210> 13718
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-E9

<400> 13718

ctncaattgc agctagagag ccatggcctc ctccttcaac gaagaaaccg ccaagaagtt 60

gcttacccag gttgagttct acttcagtga cagtaatcta cccacagacg gatttctcaa 120

nagggaagtc accaagagca aagatggcct ggttagtttg cctctggttt gttccttctc 180

tcgtatgagg aacctccttg gcctcggtaa catcaataga gaagacatcc ctccgaggat 240

tgtggaggaa gttgctaatc tcttgcgcac ctctgatttt cttaaagttt ccaataatgg 300

acaaaggatc ggtagaggaa ctaaactctc caaaccggaa gangtgcttg aacaagtcca 360

caagaagaan ccttgcggct tcanctttg agtacagcan taagatggag gatgtccaac 420

cttcctctcc caataaaggc 440

<210> 13719
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-F6

<400> 13719

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aatgaaaatt ttaatataga aaaatatatt cttaacaatt tcagattttt gtgataaaaa 120

ccgaatctag tttgaattag tatgatacgg ttttggactc aacatcnttt tttttatgaa 180

gacgcaatat aacttcattt acatttctta aaggaagttt aattttggtg tagtttttct 240

tcatttattt tggttgctct tcagttttgt tattggtttt ttaagatgtg aatgtaaaaa 300

tattatttgt aattagaaaa aaaaaactat ttaaactgaa ttaaaatcat ccagttggcc 360

ttttatgaat ttcactactt aattaagatt gaaccaattt tacttaatta agattgaacc 420

aatattattt ggttagcctc cctagtgaaa cattttcata atgaaatgat tgttacttaa 480

cattggtgg 489

<210> 13720
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-F7

<400> 13720

ttttcttctc tcaacgccgt tgattcgcca tcgtcgctac cgattgtctt gaggtttacg 60

acttttggac taatctcctc tgtggagagc aatgactaaa actcgtggga ctgatatgac 120

aaagaaaaag ggtaaacatg tttctgaaat ggatttcaag actcatcagc atactgaatt 180

tttcgataag ttgatagagc tcacgcctgc tagattctac ttacctgatg agacagaaag 240

gaaatggtat ccaggtctta gcaaggctca aaaagctaga gccaagaaaa aaacaaatga 300

caacctaaag aaggcgaaga gagataagtt ggacccagag aagtctgctt tgacgactct 360

cgatttactg aaggagaaga tagagaagga aagattggct tcacagaagc agaagcntaa 420

gaagaaacac gccgg 435

<210> 13721
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-F9

<400> 13721

aaaccagaga agaatcttct ttagagagat gggtgtggta gaagaagctc acaacgtgaa 60

ggtgattggt tcaggagaag ccacgatcgt gttaggtcac gggttcggca cggaccagtc 120

agtatggaaa cacttggttc cacatctggt cgacgattac cgcgtcgtcc tctacgacaa 180

catgggagcc ggtacgacca accctgacta tttcgacttc gatcgttact caaatctcga 240

aggctactct ttcgattgat tgcaatcttg gaagatctca agattgagtc ttgtatcttt 300

gttggccact ctgtttctgc catgattggt gtcttggctt ctcttaaccg tcctgatctc 360

ttctccaaaa tcgtcatgat ctccgcttct cccgagatac gttaacgatg ttgantanca 420

angtgggatt ccaaca 436

<210> 13722
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-G1

<400> 13722

nnnggggnnn nngaantgtc tccctgntcg tnccggtccg anaattcang ggtcgaccca 60

cgcgtccgct ctcttgcaac ggcgaatccg ccgtcgcaat ctgcgatact tataactgga 120

atcctcgtcg acgatctaaa gtaccggaga aacgtcatcc tcctaagctt cgggttttca 180

actacgacga actcgccgtc gctactaacg gcttctccgc caataacttc ctcggaaaag 240

gaagtcacgg cagagtttac aaagcagttc tcgacgacgg aaagcttctc gccgccgtca 300

agagaacaac aatcaccact accgttggta ataacaataa caacgtgagt caggtagaca 360

atgagatcga gattctttca cggggttcgt caccgttgga tggtcaactt aatcggttac 420

tgcgttgacc accggaggga aaaacaaaag ctgttagtcc gtcgaagtac atgcctaacg 480

gtacgcctca cgatnagtta cattctcgtt agttcgtt 518

<210> 13723
<211> 109
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-G2

<400> 13723

ctttaccagc tctgaccgat ncactatccg gttatatgat gtcgcctcac gntggcgatc 60

cnatgatcct aatctcatcc angagcccat tatcgacagg ttgantgac 109

<210> 13724
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-G7

<400> 13724

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ttcttctcca atttctcatc gaattcctca tttcctctct gattttaaca atcccacttc 120

aaatttccct ccgaaatcca aaacccatct cccaaaatct aatctctcca ctttatcgaa 180

ccatagcctc tacggcacca agaacagagc tttctataaa aacaagagaa acccttataa 240

cagaacacaa gctctcggtc gattcgattt cggaagtctc gaatcagttc tcgaagcttc 300

cgctgttctc actgcgatca tcgtcgtaca cgagaccggt cacttttag ctgcttctct 360

tcaaggtatc cgtgtgagta aattcgcgat aaggttggtc cgattcnact aaa 413

<210> 13725
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-G9

<400> 13725

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ctcctcagaa gattgaaact ggtcatagcg acactattca tgatgtggtc atggattact 120

atggaaagcg agtagcaact gcctcgtctg actgcacgat caagataacc ggagtaagca 180

acagcggtgg atctcagcat ctagctacct taaccggtca tcgaggtcct gtctggcaag 240

tcgcttgggc gcacccaaag tttggttcac ttctcgcttc atgttcctat gatgggcaaa 300

ttatattatg gaaagaaggt aaccaaaacc aatggacaca agctcatgtc ttcacagacc 360

acaaagtatc tgtcaactct atcgcttggg ctcctcatga acttngactc tcccttaact 420

tgcggagc 428

<210> 13726
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-H11

<400> 13726

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agcacgtaga tggcagaaaa ggcctgtata aaacgtcttc aaaaggaata tagagcactt 120

tgcaaggaac cagtctccca tgttgttgct cgtccttccc caaatgacat tctcgagtgg 180

cattatgtgc tggaaggcag tgagggaaca ccttttgcag gtggatttta ctatggaaag 240

atcaagtttc ctcccgagta tccttacaag ccancaaggg attacaatga ctacaacaaa 300

atgggtccga ttccatgaca caagaagaaa aatttggtta accnaatgaa ttggattttc 360

catccaaaaa aagcctggga atncnnatgt tgggccggta tccaaagcaa tactttanaa 420

gggnctttcc cccaaattta aggaangggt aaccaattcc cgg 463

<210> 13727
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-H12

<400> 13727

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cttgccaact gaaggggttg agattacgtg tttccatctg gatggatcac actatatggt 180

ctacacacct tcagatccac ttctctttgt tgctgctaag gatcaaaatg ggctgctgca 240

aatcgctgat gatgaactct tagacgatcc agctgtgatc agcgccatag acgaggaaac 300

cgaattcaat gccttggtgg aggaagaggc ggctctcctg gaatcactgc ttggggaaag 360

aatttgatgt tttcataggg actacntagc tttctttttg tantccataa ntgcaatgcc 420

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ttgacaaatt gggttc 496

<210> 13728
<211> 356
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-H8

<400> 13728

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gttatcttct ctagtgatag attcgctatg tgtaacttgg aaattggaat agtcaaatct 120

ctgtgacata taatgctgat aagagtgttc aatgaatcaa gtatttatca ggttttagat 180

gatagagttc gaatctaact catgtagtga cttggttata tgatggttag aaattaacaa 240

tgaagtttcc tgtgtattga tagaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300

aaaaaaaaaa aannaaaaaa nagnaaaaag gaannannga ngnnnaanaa nnaaat 356

<210> 13729
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-E2

<400> 13729

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gcgtccggca atgttagctg ctgggttgca gaacatcggc ggtggagatc ctttaagaca 120

gcagtttgta cagctgcaag agcctcacca ccaatatctt caacaatcag cttcccataa 180

ttctgatttg atgcttcagc agcaacagca gcaacaagcg tcacgccatc tcatgcatgc 240

tcaaacacag attatgagtg agaatcttcc gcagcagaat atgcgacaag aagttagtaa 300

ccaaccagct ggacagcagc aacagctaca gcaaccggac caaaatgcat atcttaatgc 360

tttcaaaatg caaaatggcc atcttcaaca gtggcagcag caatcagaga tgccatctcc 420

ctcgttcatg aagtcagatt ttactgactc aagcaacaaa tttgcaacaa ctgctantcc 480

cggcttctgg agatnggaat cctttgaatt t 511

<210> 13730
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-B11

<400> 13730

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atcgatatcc gcatcgaaaa acatcgatgt ggagatgaat gggagatgtg aattgctttc 180

caaggctatg tctgcattga ctggaagcaa aagcagccaa tcatcggagt taaaaatgac 240

catgttgtca atgggaaaga ctttggttga gcagaagagg caaggttcaa ggatgatgtc 300

attgaagcaa aagaaagagt tggttgtggc tatggtgaaa tggactcgaa tggttataac 360

attccgtaaa gagtgtcgcc gagaagagag gaaagtcgat tgatgaatcg tcttacggtc 420

ttgatgttga tgttaatgcc agcattggaa gttcaatgga atgatggctc ctcntcatcc 480

gataatgaga agttctcaaa aca 503

<210> 13731
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-B12

<400> 13731

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ccncgcgtcc ggttnantgc aaaggttgat tgtgatgagc aaaagagtgt ctgtactaaa 120

tatggtgtta gtggataccc aaccattcag tggtttccta aaggatctct tgaacctcaa 180

aagtatgagg gtccacgcaa tgctgaagct ttggctgaat acgtgaacaa ggaaggaggc 240

accaacgtaa aattagctgc agttccacaa aacgtggttg ttttgacacc tgacnatttc 300

gatgagattg ttctggatca aaacaaagat gtcctagtcg aattttatgc accatggtgt 360

ggccactgca aatcactcgc tcccacatac gaaaaggtag ccacagtgtt taaacatgaa 420

gaaggtgtng tcatcgccaa tttggatgct gatgcacaca aagcccttgg gcgagaaata 480

tggactnaag tggnntcccn acaatnaaat tcctcc 516

<210> 13732
<211> 319
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-B3

<400> 13732

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atcagtgaag aagaagaaga cgaaatcacg aaaccatgtt cttgttcgat tggttctacg 120

gaatcttaac ttcgttaggg ttatggcaaa aagaagcaaa gatcttgttt cncggtctcg 180

ataatgctgg caaaactaca ttacttcnca tgctcnaaga cgagagatta gttcagcatc 240

agccgacgca acatccaacg tctgaagaac ntagcattgg ggaaaatcna nttcaangnt 300

ttgaattggg tggncntca 319

<210> 13733
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-B4

<400> 13733

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tccgcnaacg catccgccca cgcgtccgcc cacgcgtccg cggacgcgtg ggaatcgttc 120

ctcctcctcc tcatcttcct cacagctctc gcttctgatc tcttacttgc acagaaatcg 180

anaagnttcn aaagcttttg ttctattctc ttcgttttcc tctgagttta ttanctttca 240

ctgatgggtt tcggttctgt ttatcgatct ctaacggnaa tatttcctca nattgatgca 300

cgaattttga gggctgttgc aatataacac ccaaaggatg ctgatgaagc tgctgctgtg 360

gttctttcaa gagattangt ccttcctttt ccncaggatt tgttcnataa ttttactcaa 420

tcttcgtnna agtcatctgg aagcatttca gaggccgaag aanatggttt gggnagatgt 480

ttncttccag gggccgcgnc ttttcttggg 510

<210> 13734
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-B8

<400> 13734

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tctaacgtcg ccggagatcg gtaaaccggt tcttcatccc gtattcatct cttattgaga 120

tcgttgggga agtagagaat ggcgacgttt gagctgtaca ggagatcgac gatcgggatg 180

tgtctgacgg agactttgga cgagatggtt cagagcggta cgctgagccc tgagctagct 240

atccaagtcc ttgttcaatt tgacaagtcc atgactgaag ctctggagag ccaagtgaag 300

accaaggtgt ccatcaaggg acacctgcac acttacaggt tctgtgacaa tgtctgggac 360

cttcatatta caggacgcaa tgttcaagag tgacgatcgt caagagaatg tgagccgggt 420

gaagataatg gcatng 436

<210> 13735
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-C2

<400> 13735

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cgtccggttt aaaacaaacg ttaaaccata ttcccagaga aagggcacgc tagaccccgc 120

cctcgaagct gctgaagcag cgcgacaaat tatcaccgtg aatcaaaaag gtggcgctaa 180

tttcaagaca ttaaacgaag ctatcaagag cattccgaca ggaaacaaga accgtgtgat 240

catcaagttg gctcctggtg tatacaatga gaaggtcaca atcgacatag ctcgaccatt 300

cattacattg cttggtcaac ctggtgcgga aacggtcttg acttaccacg ggacagccgc 360

tcagtacgga accgttgaga gtgcaactct tatcgtctgg gctgaatatt tccaggcagc 420

tcacctcacc attaaaaaca ctgctccaat gccgaaacca aggttcacag ggacaagctc 480

taacaatgan gatnaacgct gataaaggca g 511

<210> 13736
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-C3

<400> 13736

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ccgcgnaacg cntgggcgga cgcgtgggct tgcttcctgt tattgttggg gatgctgctg 120

ttgagaaact tttagacgta ccactacaag gccacactga ggaatgccct gatcagttcc 180

agttcgtgtc tgctgttgtc gacaaacttg gatatgaagt taaaatggtg aaacttacag 240

gtagaattgt aaacacttat tatgcaagtc tatgtcttgg caagcctggg gacattgagg 300

ctatatgcat tgattcacgg ccatcagatg ccatcaatgt tgcaagagca tgccaggctc 360

caatatatgt gaacaaagca atagtgctgg aagaggctat caaaattggt tatggaggca 420

gaccgcagag cgcaaagcct gttttcaatg ttatccttga caacgctccc gatggaccaa 480

attctttatc cngaagagcn taaattag 508

<210> 13737
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-C4

<400> 13737

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gcgtccgcaa ggctacttga aaaagagcac cgggcttttg ccttgttggc tagagggtgc 120

atgtcttcac ctattgaaag ctgtatagct gatgccatta gagcttccag tactgataat 180

tacccagtag aaagcatctt aaacacactc gagaagagag atcggattgg tcgaacccct 240

tcttattggt cgagtactgg gcaacacaaa actacggtgc ccgaatcact tctttacaag 300

ttgattggtg atttgtgtct cattactgaa gtcagcatcc atcctttcca agcttatttt 360

cagcgcggtc atccgatata ctcttcacat tatgttcgtt tccggttggg tcacgaaaag 420

gacaattcac ctcactacaa caattcacag gataaaaaag gtgagccaag aaagagttca 480

attgaaagca actatgtatg ggacttacac 510

<210> 13738

<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-C5

<400> 13738

agtcgttttc tttcctctcc ccacttttc agcgtttctt agatctctct ctctctgcaa 60

atattcacca ttgtcttctt cttcttcaac gacgcttttg gattttcntc tctaagcaat 120

gaagtcagga agttctacat tgaatcctta cgcagcagct tatgtaccac tctcgaaaag 180

agaaggttct ttggttgata caaagcctgt cacacaacaa cacatgcagc agcagcacca 240

ccagcaacaa ccttattatg ggtatggagt tcaaggaatg ggaagttatc aaggaactca 300

aatgtcacct aagaagtcac catctgagat ggtatacaat catcagctga aggatgagga 360

tttggagatg gacatggata ttgagtatct attagctaca taccctgggt cttcacaaga 420

gtctatcaat gng 433

<210> 13739
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-D11

<400> 13739

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tataattgtg taatccttag ggttttgctc gcgatttctg gtactattag gtttccgtcg 120

atttcttcgt cgggataaaa accctcttct tcgccggagg gagaacacgg cgagaattac 180

acagctatcc ttcgaattcc gtcgctggtt agcttaggac tttctgattc tgtcgcttta 240

atcttcttct ctccatgaca caacgggtat tccaagtctg gaaaggaagc aataaattca 300

tcctgggtgg gagattgata tttggaccag atgctangtc actgcctctt accttgctat 360

tgatcatagt tccggttgtt ttgttctgtg tanttgtanc aaggnacctt cgcaatgaat 420

tctctcccta caatgcggga 440

<210> 13740

<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-D6

<400> 13740

ggnggnnnnn nnngttctgt ctgccctgnt cgtaccgatc cganaattcc cgggnccacc 60

cacgcgtccg gttgaagaat cagatgaagc aagaaagaag ttcacaaacg caaagtccat 120

atcttcagct cagtactttg gggatcagaa caaaaacgct gatctggaat caaaagctac 180

gcttgagata gatgctgagc ctgcaaactt ctgaagcgct gatttttacg gtcacgacca 240

agatgattcc aatattgata taacagctag tgatctcatt aaccgacttt ctttccaggc 300

gcaacaagat ctatcgtcgc tggtgaacat agcaggagaa acaaagaaga agcttggaac 360

tttggcttct ggtatcttca gtgatattca agacagaatg ctgtaagaag accacgagtc 420

tctcacatgt ttttgatatt gacagagaaa aaaaagtaag aaagaagctt tgtcggaaaa 480

cttccaatga nggtcaagtt tctctgttt 509

<210> 13741
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-E10

<400> 13741

ngggngnntn gagcattttc nnggtgntcc ggtccgnana canncgggtn gcngcccgcg 60

tccgcccacg cgtccggttc tcttctctcc atctgtctgc cgctccttta acgtcggttc 120

ccattttctt attcacaatg accccaagaa actcgaggag atggaaaaaa gcaaaaggta 180

nnacaangnc aaaaaagctt tcttcgagaa ccagagcaca ttgattccaa gattgaatgc 240

tgtttctggt ggattagttt ctctgagttt tggtgataga tcagattaac aggcagaatt 300

ttgagaatgt cgacagtggg aaattcaacg aacatatttt ggcaagaatc ccccattggg 360

aaaactgaaa ggcagaagtt gttaaatcag aagggttgtg tggtgtggat nacagggctc 420

agtggctcag ggaaaagcac gttanccttg ctcgcttant agagagctga caaccggggg 480

aagcttcata nattcttgag ggngc 505

<210> 13742
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-E12

<400> 13742

gnnnnngaan gttttcggcc ncccggtccg aaaaccgggt cgacccacgc gtccgcccac 60

gcgtccgccc acgcgtccgc ggacgcgtgg gtgagtttga aaataaagtt tctgcttctg 120

cttgtcttgt atcatcatgt tgattctgcc tctatcgtca agtttcttcc tggttttgaa 180

ggccctcttc ctttcgaact tgaaaccggg tacattggta ttggtgagga cgagaatgtg 240

caatttttct actatttcat caaatctgaa aacaatccaa aagaagatcc tcttcttata 300

tggttaaatg gaggacctgg atgttcttgt cttggtggta ttatttttga gaacggaccg 360

gtgggtttga agtttgaggt gttcaacgga agtgctcctt ctttgttctc tactacatat 420

tcatggacaa agatggcaaa cattatatcc tggattaacc aantaggatn tggcttcccc 480

aatcaaaaaa atccaat 497

<210> 13743
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-B10

<400> 13743

actgtctttc ngntcncccg gtccgganaa naacgggtcg ncncacgcgt ccgcaanaaa 60

atatcacagc aaaaattttc tcgagaaaat ccgaagaaga caaaaaaaat ggcggatcag 120

ctaaccgatg accagatctc cgagttcaag gaagctttta gcctattcga caaagacgga 180

gatggttgta tcnccacaaa ggagcttggg actgtgatga gatcacttgg gcngaacccg 240

acagaagccg agctccagga catgatcaac gaagtggatg cagacgggaa cgggacaata 300

gatttcccng angttcctga acctaatggc acgttnagat gaaagacact gattcagagg 360

aagagcttaa ggaagccttc anggtttttg accagggacc agaaacggtt tcatctcggg 420

cggcttgaac cntcgtcccc gtnaatgncc aatccntggg gggannaagt ttnaccngg 479

<210> 13744
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-A1

<400> 13744

tcatgaaatt cgccgtcctt tcaagcgacg acctatctcc gatcaacaga aacgccgaga 60

gctttctctt atcgtcagac tcagcatcgc agtgatgctc agcagcgagc ccgaaacctc 120

gcctcttcct taatctcgct ccaatcctcc tctcccgatg tcgacccaga gatactatct 180

gaagccgtgc ctgagcttgt aggaaccgaa tcggaatcga gtagctttga cgttcgtcaa 240

gcttcgaggc tcagaggacc tgaggcacgc aagtggttcg caaagcagct aatgttacct 300

gaatggatga tcgacgtccc tgataattta agccaagatt ggtatgtgtt agcaaganca 360

gctgggaaaa gatgttttgt agnttcaatc tgatnggaac aactggttag tagagttacg 420

aaatgggtcc actttgcnac cttttccctt ccggna 456

<210> 13745
<211> 521
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-A10

<400> 13745

nnnggngggt nngagtggtc ncctgggtct accggcccgg acatcccgga acgacccacg 60

cgtccgaaga agaagaagaa gagcttcaag aagacaaata cactattttt tatcgtctgc 120

aatgcccttа ccctttgaag agtttcaagg gaaggggatt tcttgtttct cttctttctc 180

gtcttccttc ccccaaccan cgtcgtctcc gcttttgagc caccgcaaag caagaggcgg 240

cgaagaagaa gaggaagaag ttcccgcggc ggagcctacc tctgttctgg actccctcat 300

aagcccaacc tcttcctcca cggtgtcttc ctctcacggc ggaaacagcg ccgtcngagg 360

cggcggcgac gccaccaccg atgagcaatg cggagccatt gggttgggtg attgggagga 420

gcaagttcct catgaccacg aacagagcat tctcggactc atcatgggag attccacaga 480

ttcctctctt ganctcaaca agcattctcc aaacatctcc c 521

<210> 13746
<211> 65
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-A12

<400> 13746

tccgcttacc cggngttgcc cntccggtga cattccaaag ggtatttcgg taactaattc 60

ngctc 65

<210> 13747
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-A2

<400> 13747

tcgnnntcng nnatttтcnc nccttcncnt ttcanncgnc nnncnncgcc gcaatcttct 60

tcatcggcct ccgttctaca tcgacggtgt ttgccgtaac ttctgtcaaa ctctcagaat 120

ttgcttaagt ataccaccta actcgagacg ctatgaccgt tttctcagtt cagtccacta 180

tcttcagtcg agcctccgta gctcttctct cgagcaatgg cttcaaacga ttttcattcg 240

tttcttcgtt ttcttcctcc gccgcttact ctccacctaa aatgaggaag cgtcgctaac 300

caatcgtctc tgctgttgat attggtggcg tcccaatcgc taaaaatgat gtggtgagaa 360

aaggatgatt caacaaataa tgtnccaaan tcgatttccc cnaactaaga atgcagctac 420

aca 423

<210> 13748
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-A4

<400> 13748

ncagcngnng cnannnngaa gttttgggtt tttgggttat caacaatggt ggaagcaaaa 60

gatcaagata tgggtgatgg tatgcaatgt ataaaccatc catttactaa aaacccaggt 120

gggatctgtg ctttttgtct tcaagaaaag cttggaaagc ttgtaacttc atctttccca 180

cttcctaaac acctcacttc ctcttcaact tcttcttctc cttccttcag atctgactct 240

gttgggtagc acaaccactg cctctgccgc aaatctctca acgtctcttt ctctctctgt 300

ctccgggagc aacanaacaa caacaacagc aagcttccgg tttttgttag cctaaagaaa 360

gaaagaagaa agatggcnta cnngcntcct ccctcctccn tccgaacaan nggnna 416

<210> 13749
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-A5

<400> 13749

tnnnngnttt ttngccccan ngtcngaaac cngggtcgnc ccacgcntcc gcaaaaatct 60

tccgttgtct acgtttctgg tgcttccccc gaaatcccca tttctcaggc ttctccacga 120

atgggagctc aatccccagg acctcccatt gttaaagtgg tgcttcgcca ggacttgaac 180

aagaagattc taattgctct tatagtctca tcatctctgc tctgtgtcac agtcatgttc 240

cttgtgtatc tcttgctatg gaggtacagg aatatgaaga acagcttcac cggtatcaaa 300

cgcaaatccg attcggtgaa gagtgtaacc acgaaaccga ctgtacacaa gattgattct 360

gtgaggaaag gaaccatccc tgtgtatgaa tatcaattgc tggaatctgc aacaaacaag 420

tttagtgata gtaatgtgtt gagccgangt ggtcgtggat gccnttaana gagcttgtcc 480

ccaataaaaa atcccaancc cg 502

<210> 13750
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-A6

<400> 13750

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cggacgtact ctaggatccc ccgacggtgt tctcatcaat gggaaatctg gtaaactagg 120

cggaaacaac gctcctctct tcaccatgaa gcccggaaag acttacaagt acaggatctg 180

caatgttgga ttcaaatcca ctcttaactt caggatccaa ggacacaaga tgaagcttgt 240

tgagatggaa ggctcccacg ttctccaaga acgactacga ctctcttgat gtccacgttg 300

gacaagtgct tcgcccgttc taagtgaccg ctgaccaaag tggccaagaa actactacat 360

nggttgcatc caactaaggt tctcaaagaa aggaanttga ancactgttt gggtgtgatg 420

angnctaacg aaagggaagc aaccnttca 449

<210> 13751
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-A7

<400> 13751

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cagaagaaat gggacaacat atgccaaagt atccatcaca ctccggcgtt tcctaaactt 120

ggttttcagt cggtgagtcc gcagttccca gttcagactg agaagagtgt gagaactcct 180

acaagctatt tggagacgcc taaactgctg aatccgccaa tctcaaagcc aaaacctatg 240

gaggatctta cggcatcggt gactaaccgc acagtgagtt tgcctttgag ctgtgttact 300

acagattttg ggttgggagt aatctatgca tccaaaaacc aggaatcaaa aacaacgagg 360

gagaaaccga tgctggtgac tctaaactct tctttagaac atacatatca agaaagattt 420

caagtctctc agagaaatac tcctctccgt aaaagttgcc tggcaagacc cgaagctgtt 480

aatgccataa gncaaaatta atctgcgggn g 511

<210> 13752
<211> 543
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-B1

<400> 13752

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ctgttttggt tgatcgatta agctaaccat gtcttacaaa ccaagcgcga agactgaggt 120

tcgccggaac aggtataaag tatctgtgga cgccgatgaa ggtcgccgga gacgggagga 180

taacatggtg gagatccgga agaacaagag agaggagaac ttgcagaaga agcggcgtga 240

aggttttaat ccttccaatg gcgtcacaag ccaagggcaa aggattttct cctccgtctc 300

tcccctaacg ggaaaccaag aattgggnga aattattaca aacaagaatg aattgcctgg 360

ggagttaaat gttcaanaan gggattagaa gaccnttacn aaattttgga agggccnaaa 420

cggggctaaa cctttccang ggagaaattg gcctttcaaa ntttgaagcc ccaaaaatcc 480

ctncccaaat ncaaattgga aaattttngn ttccaaaacc ccnggggggt tttgtttncc 540

ccc 543

<210> 13753
<211> 54
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-B10

<400> 13753

acaacaatct ccaccgtctt cantctgttt ccttcgccgt taaagctccg tcna 54

<210> 13754
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-B2

<400> 13754

nnacncgnnn gcntcgtccg ngtctgncgg cntcncgcan cnngtnccac ctcnctcang 60

gtcnntngcg cttcctccta cgccgatgag cttgttaaga cagcganaac tattgcgtct 120

cccggacgtg gaatcttggc gatggacgag tcaaacgcga cttgcgggaa acgtttggat 180

tcgatagggc tagagaacac tgaggcaaat cgtcaagctt tccggacttt gctggtctct 240

gcaccgggac tcggacagta cgtctccggg cgcaaattct atttgaggga agactctgta 300

ccaagtctac caccgaaggc aagaaaatgg tcgacgtccc tcgtccgaac aaaaacaatg 360

tcccctggta tcaaaaagtc cgacaaaggg tttggtggcc actttgttgg gattcaacaa 420

tgagtcatgg gtgncaaagg gactaaaatg ggccaacatc ccca 464

<210> 13755
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-B5

<400> 13755

tnntggtttt ctggccccca ngtcnggaaa cccgggtcgn cccacgcntc cgctcaatca 60

cacacaacaa caagaacaag gacaagcttc tacatttctc ttaacataac agacagtttt 120

tgatctgggt tttcaagtcc ggtgttgatc ccattgagtt tcggatctaa aagatccgaa 180

tattcagacg gatcaacaag agaacaagaa aaaaaaaatg aatcttgaga atgttttgga 240

attcaccagc tttgattact ggtttaattg gagagtgtta ctatgtgcta tatgggtaat 300

agttccaatg attgtttctt tattagtctt atggaagtat gaagatagtt cagttcaaac 360

tcaaccatca cttaatggta atgaagtttt tgtgcaatga tgatgntttg gagaccttgt 420

ttttgaacga atccaatccg gggttgggtt ggntgggttt tccggggtcc cccgggtttt 480

gtttcccntc cttgccnaan naaataattg gcccgggggtt 520

<210> 13756
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-B6

<400> 13756

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caaactcgtc ttacgtcgag atcttccgat gtatcggtca atctcaagaa gaagaataat 120

ccgtggctcg acccgtttga tagcggtgaa gacccggata acgaatacgg gtccttgttt 180

gccgacggaa aacaagacga ggatccaaga ccaccggata atcctgataa cccttacggc 240

ttcttgaagt ttccaaaggg ttacaccgtc gagcttgctt ctttaccgtt gaaaatcaga 300

ggagatgtta gacgatgttg ctgcgttatc tccggtggcg tttacgagaa tctactcntt 360

tcccgactat tcagctaatc aaagacaggt atcctgg 397

<210> 13757
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-B7

<400> 13757

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ataattcttc agagctgttt aagttcaaca acaatttgat taagagaaaa ccacataaat 120

attaattagt gtaacgaaaa acacaaaaca aatatgtcgt acggatacga cgatgaatcc 180

aagaggaaga ggaggtacat tgttatcacc atctcctctg ttcttttgat ctcgatggtg 240

gttgcggtta ccgttggtgt cagcctcaat aagcatgacg gtgactccaa aaggtaaagc 300

aaaaggtaaa tgcttccgtc aaggccgtca aaggatgttt gtgcaccaac tgattacaga 360

aaagacttgt gaagacactc ctgattaaga acgggaagaa cacaaccgac ccgatggaat 420

tnggtaaaac tgcntt 436

<210> 13758
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-B8

<400> 13758

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atcgtttcag ctcatttgaa gcttaagcca actttgcctc agattgaacc tccacaaacg 120

ttgaaggatg ttgaacctta caccgttaaa gtagtgatag tctttgtgtc cgacctcgag 180

aaagaatgtc ccaagacaaa taaattcaag gctttctttg agaaacttag ggcattcgcc 240

aagtatgtct gcccaataaa aagaaaagac caagtagatt acgaccgaga catgaaggcc 300

aaggctggag gcctcttcca agtcatatct tcttttgccg attgggaaaa nataanaaaa 360

ggaaattcaa gaaggataaa atgggaaagt taataatacc nttaaagttt aatgagaatt 420

ccttgcgact aaana 435

<210> 13759
<211> 129
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-B9

<400> 13759

agtatctacc tctcatgttg acaagcgagt acaggatctg tccggtgagc atcaatctcc 60

aagganatgt tccttcngta gtgttaaaga nagagcttat cctaccanat ccggattant 120

cacatcatg 129

<210> 13760
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-016-Q1-E1-H9

<400> 13760

tcttctccac gccatttcca gaattttcag gtgttcgtga aaagatgaat tttaagaatg 60

tcaaagttcc caaaggtcct ggtggtggtg ttatagctgc ggtggttatt gggggggctca 120

gtctttacgg tgctacgcac actctctaca atgtcgatgg aggtcatcga gccattgtct 180

ttaaccggct tgttggtatc aaagacaagg tctaccctga gggtactcac cttatgattc 240

catggttcga aaggccaatc atctatgacg ttcgtgcaaa gccttatcta gttgagagca 300

catctgggag ccgtgatctc cagatggtta agattgggct tcgggttctc acccgtccta 360

tggctgacca attaccagag gtataccggt cccttggtga gaattaccgc gagagagtct 420

tgccttctat catccacgag a 441

<210> 13761
<211> 715
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-G7

<400> 13761

gaactttctc ctagctggtg gtcgaagatc tcgggtttct tgttcggaat tcaccccgaa 60

catgtagata ctcggttgtg ttcagcgctc cgtaggacag aagggtacct gcacaatctt 120

cccactgtta acaggtttaa taccctcccg aaccctcgat taactataca agacgcaatg 180

ccacacatga ggagttggtg gccacaatgg gatatcagaa agcatttcaa tagcggcacg 240

tgttctaata tgaaagatgc aactcttctc tgtgaacgaa ttggtcgccg tatagctgaa 300

tgcaagggaa agcctactca acaggaccag actttaatac ttcgacattg tcacacctcc 360

aatctcattt ggatagcacc aaacatcctc tcacccttgg agcctgaaca tttagagtgc 420

attatgggat atcaatgaac acacaaacat cngtggtgga aggttngctg aaagattgaa 480

attgtttgat tactgcttcc aaacagacac attgggttac atctcccgta ctcaagtcaa 540

gttccccaag gttaaaattt tacacccnta acnggattgg ggtgcgnaat tcattggncc 600

ttttggaacc accaaaaggg tanccngtaa acccgtggnt naccctaaan acgaaaaatg 660

gggaaattcg gaaaacgtac cangaattna aaatcaaact taggaaangg gggnc 715

<210> 13762
<211> 626
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-G8

<400> 13762

gcgttctgat tactgattct tcattgacgg taggagtcac cacttttggc ggcgattcct 60

tgttctctat ttttttttgca caagcaacat ttagcttctg caaactccag ttcatctctc 120

aaccctcata tcgccgtgtt ttctcgctct agtaccgcga gctcggacga accaggaagc 180

aatccgttaa tctagaagcg gtgttgagaa gatgacgatt acatcaaata tctctgtaca 240

gaacgataac ctcgttgttc aagggaagac tatccttacc aaaatccctg acaacattat 300

cctaactccg gttaccggta atggattccg tttccggttc aattatangc gccacgtttg 360

aacaaagcaa gagtcctcat gtgttcccca accgtgtant gganggtcct ccgttcaagt 420

gctgtttccn ggnttaaagc taagggtggg atgactcaag aagaatnggg aaanctgttg 480

gnaaaagaca attccctttt ggnngaacac aagtttaaag gctaactggg aaaagcaaag 540

ggattaangg ntttaaaggg gaaatggggg gaatnaatgc cncccnaacg gggtttaaaa 600

accggttcnt tttcncccct ccnccc 626

<210> 13763
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-G9

<400> 13763

aaaaacaaag gaaatcgcca tggaagacgt taaccagttg ttcgatgctg ctttcgagtt 60

cgcacactat cccggcgctc aaaacgaaac ttccgttaag gaattcctcg atcgcttccc 120

tcttcctgtt atcttcaatg ctttgcaaac cgatccggat ataccaggat ttgaaaacac 180

gttggtgact tgcttggaga ggttgtttaa gactaagtat ggcgcttcac ttattcctca 240

gtatatgcct gttctgcaag ttggtctcaa ggcagattct gcagttgtga aatctctggg 300

cttgcaaaac tgttctgtgt ctcttggagg attgcgatac aaacgacgtt tcttctgttc 360

agctagttgt taacaatgga tataccctct tctacttgac tatatcatta acagcgatga 420

tgaanttgca aatgctgcaa g 441

<210> 13764
<211> 771
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-H1

<400> 13764

gnntnnnggn aantgtttac gccntnccgg tanncgtcca naattccang gtccacccac 60

gcgtccgcac acgcgtccgc tttatcaaaa ccagagaaga ccaagaagaa ggcatggcta 120

gatcaccata ctatggttca tcttacttag actacctctc tctcccaaac ccacatctct 180

gtttcctctt catcgtcgtc ttcttcgtgt tgtccttcac atggtacttg aacttcgagt 240

ccatcatcga agacaccctg gaccacctca agctcgtctt tatattcacc cctctcttcc 300

tcctcctcct cgtccacttt ttctccggtg gcctctcctt ctacgtcccc tggcctgaac 360

aagactccat tcaccgtgct ggttcttccc cttggggcgt agcagccgtg ctcgtgctca 420

tattgttcat ggtttcgtac cagtcagatt tccaggagan gtggttcccg tttggggcta 480

agtanatnaa tcaaagttta tgatgaccaa gctttagtta ttctccaagc tatatatggg 540

aacatccaat ggttaaatat caaaagtanc ctggaagtta atcctgggta ataataagaa 600

ttantttana aggttatttt ttccttaaac ttttaagncc tttccaaggt tnaaacttta 660

aaatttaaaa nnaaggtttt ttgggnaaat ggaaaaactt tttttttcca aaaggggccc 720

ttaannaann aanaantttg ggtnnaanng tttccnttta aannaaaang g 771

<210> 13765
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-H10

<400> 13765

ggctaaatga cattcctggt gtgtcctgtc ctgatgacat agttatgaga ttctcggtgc 60

tacagaatga ggtggttcaa agcactatga agattgggga agcaagtacc cgtattaaac 120

aactggagga gacactggag gctatacaac ttggcagaca gaatgctgta agtgaggctg 180

cattagcgaa agagaaatct gaggctctca aaacagacgt gaagagaatt gaagtaatgc 240

tcactttggt cacggaggag aaagaacagt tgaaagctgt tgttaatgaa ttaaggaagt 300

caaacagtga aggatctgtg tctggagccg cagatggagc ccttaatcaa gggtttgaat 360

cctctccttg caaagaaagg agaactatat taaggntttt agagcaagga tntaaatcaa 420

ctgaaaggat ntcaa 435

<210> 13766
<211> 722
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-H2

<400> 13766

ngnntgnngg naagttntaa aactgnncac gcctgccagg tnanggtccc naggtcnacc 60

cacgcgtccg caaaaaccca gaggacatgg agatacacat gggaagctca atctcattct 120

ccaaaccttc gtctctttct tttcgattcc aaaactaacc ctaagatcca ctgcaaaagc 180

ctcaatgtag caaccatcgt cggaaaatct caacttctcg tcacatggat caacgaagaa 240

gatgaagaag ctgcaagcaa agaagagatt gtttctcttc tagttcctat ccctagggtc 300

ttactagata ctgaatctcc tgtaaatttc aaagctttag acgatcacat cgaggttaga 360

cttgttctgt tactccctgt tgatcatcct ttagtctcaa gacttcaatt tggtgactga 420

ttctaagaga aaagtcgggg cctttaatga tgggttatga ttcaaagact ctatctttaa 480

tgggaaggag ttcaatttta ctggtaaaag ttgttcaaat aaggttaaca aagaaaggna 540

ctttttanan tttctcaaga aaatgccgtt caantaaatt gggngaagaa tcaagctgga 600

taatttgggt ttgggnactt ggttgttgtt caatttgggn gggaattant gannaaanat 660

ggttgttaag tnnannnaat tcgtaaannt tgnnccaant gggttgtgtt aacttagggc 720

aa 722

<210> 13767
<211> 726
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-H4

<400> 13767

tgttagctat gaccaacctt tattttaaga cggcttttct tctctccctc ttgttactgt 60

ccttctctta tcagagtaaa ctaatcgagg ctaaggaaga caaagaatgt aacgacagca 120

aatgtcttcc taatccgtca aggataaatt tagaagaagg gaatataaaa agaatcgatg 180

tgaatcatgg agggatatgt gacacatacc ttgagtgtgg agggttggca tgttctgatt 240

atcgtcgggc gtgttgcgta aacggaaaat gtgtatgccg caaacaaggc caaactctgc 300

ccgattgccc aaactaaatt atgtattgac aacattccaa ttaataaaat aagatgtctt 360

aaaaacaann naaaaaaaaa aanggngggc gctccaaaag gttcaaacct acgtncgcnt 420

tcaagccacg tcatanctcc tccaanagtg tcanctaaan tcaantcact gggccgttcg 480

ttttaaaacg tccntgactg ggaaaancct ggngttaccc aacttaatcg ccttgcaaca 540

aatcccccct ttcgcaaact ggggttaata ccaaaaaggc cccaccgatt gcccttccaa 600

aaattgccca cccnaatggg aaatgggacc cccctgtncg ggcataaccc ggggtntggg 660

gtacccactn acgcnaatnc aagccnagcc gcccttcntn tcctccttcc canttnggtt 720

ccctaa 726

<210> 13768
<211> 706
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-H5

<400> 13768

actcaaggtc ttgacggtct cggtgacaga tgcaagaagt actacgaagc tggtgctcgt 60

ttcgccaagt ggcgtgcagt cctcaagatc ggagagaacg agccatctga gcattccatt 120

catgagaacg cttacggatt agctagatac gctgttatct gccaagagaa cggtcttgta 180

ccaattgtcg agcctgagat cctagtcgat ggatcccatg acatccagaa gtgtgctgcc 240

gtgactgagc gtgtccttgc agcttgctac aaggctctta gcgaccacca cgtcttgctc 300

gagggtacac tcttgaagcc taacatggtt actcccggat ctgacaagcc ccaaggtttc 360

acctgaagtc atcgctganc anaccttccg tgcccttcan agaancgtcc aacaagctgt 420

tcaancaatt gcctcctaac tggaggacaa aacgangaan aactacaaga acttgaacgc 480

catgaaccan ttnaagacca agaaccaang gcattgtcnt tccaatcgga ctncgttgca 540

acagtcaacn tnaanacatg gcaggttaan agggaattca nggaaccaan aggcttnttn 600

ttagggcaag ggaatctgaa ccaacccgaa ctaaaggngc ccnaacttgg gtgggcaant 660

naaccttcct gggggttaan tttggcactc ccggttaatt ggnttt 706

<210> 13769
<211> 660
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-H6

<400> 13769

gctccttctc ccgttgaatc gggtcgaaat agttgaactt taagccaaac cctaagcttg 60

aggaggaaga ggaatggtcg gcgtgatgaa cagattgagg aatctggacg cttaccctaa 120

aatcaatgaa gatttctaca ggcgtactct ttctggtggt gttatcaccc tcgcctcttc 180

tattgtcatg cnaattctct tcttctccga gcttcagctg tacattcacc cggttactga 240

gactcagctt cgtgttgata catcaagagg agagaagcta cggattaatt ttgatgttac 300

attccctgcg cttcaatgtt ccattaataa tcctgaatcc atggatatca anttgggaaa 360

agnancntga tgtncgacat gacantaatt aaangngatt aaacnctcct ngnaatgtca 420

tccaaggaaa acaagacgga attggcatac taagantgga aaaccttaca aaacatggng 480

gaaggttgga aacatgaaac atacggggtc cngttgggca aaactcaaat gagcttgtgt 540

atcaagtagg anttnnaact acgaanaaag tgggctccgg ccgacaacac attaaaaagg 600

ttggcaagga aataaaggag tgantcagtc tgattaaatg ggatttntcn ganttcacgt 660

<210> 13770
<211> 71
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-H7

<400> 13770

aagttcacgc acctccggga aggangatat ccttgggtaa acncttcact ggggggcaat 60

taaataantt g 71

<210> 13771
<211> 75
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-H8

<400> 13771

agtttnccgt tgggctcaan aaagaattcc cttgaaactc cgccaaaatt ttcaaaggaa 60

ctggcnaact ggtnt 75

<210> 13772
<211> 725
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-G6

<400> 13772

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gcgtccggag aaatggagga aggtctaaag attcaatctt tggtcattta tccgatcaaa 120

tcttgccgtg gaatctctgt tcctcaggct accgttactc atactggttt tcagtgggac 180

cggtattggt tagttgttaa ctataaagga agagcataca ctcaaagagt tgagccaacc 240

cttgctcttg ttgaatcgga gttgcctaag gaagccttct tggaagattg ggagccaaca 300

aatgactcat tgttggtgat aagagctcct ggtatgagtc cgttaaagat accgttgact 360

aggccaantc ggtancagaa ggtgtgtcna tgtgggaatg gtctggctct gcttttgatg 420

aaggagaaga actgcnaaat ggtttcagat tancttggaa aacaaagccg tttggttcgg 480

ttaataaaga tactgaaact agaccttcac tcctganttt caccgggtta cncacacatc 540

atggatagtt ccgttttggt tcacccaggt cttaacattg atacctctgc aaacggtgca 600

naacgtttaa ccaatctgtg aaatggtctt cggtaaatnt tggataacaa ataacattac 660

tcagggttgg aantcccgan ggcangtaca naccggtntg gaacnacang aaccggaatt 720

nttna 725

<210> 13773
<211> 80
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-E8

<400> 13773

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caaaaaccaa tccctttga 80

<210> 13774
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-E9

<400> 13774

ttggggagaa gagttgtttc agcttcgaaa gagcttacta gtattcaaca atggcggatc 60

cgaccaggaa ccgattctcg tcccgatcct tttcgaactt tccggggact acaaaagggt 120

ttctgcgtgg gcattttacc ggacggagtc gacagaaatt cggaggcttt ttctagcaat 180

tcgatcgcca tggaagggat cttatcggag cttcgttccc atatcaaaaa ggtattggcc 240

ggaggtggag aggaagcggt taagaggaac agaagcagaa acaagctttt gcctagagaa 300

aggattgatc ggctacttga tcctggttct tccttttgg agctctctca gcttgcagga 360

catgaattgt atgaggagcc tttgccttca ngtgggataa tcacanggat angaccaatc 420

catggacgta ttgtatgttt 440

<210> 13775
<211> 824
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-F1

<400> 13775

ctcttttata atatctttct ctcaatctat gtttagaaga atggtttcgt attctaataa 60

tcattttgca tacgcatttc tacttcttct aacaatcggt aacacgcttg cattttcttc 120

gagtttgccg gatcatgttc aagatccaaa tctagtcgtt gacgacgtta acagaagtgt 180

attcaatgcg tcaaggagga gcttggccta cctatcttgt agaaccggaa atcctattga 240

cgattgttgg cggtgtgacc ctaattggga aacaaaccgc caacggttag cagattgtgc 300

cattggattt ggcaaaaatg ctatcggagg gcgcaaaggt cgaatctatg tagttacgga 360

tcctgccaac gacgattccg taaaccctag acctgggact ctaagatatg caatgacaca 420

agaaagaacc attaagggtt aattttcaaa gaagagatat gggccattaa ggctcaaaaa 480

aagaaactta tcaacaanat cctttcaaag aaccaattng aatggtaaaa agggctccaa 540

ntggttcaaa anttaaccgg aatggggccc aangccctta aaaggatttc caactaangg 600

cnaaacntaa acaatccann aaatttccaa nggggaaatt taacaatncc aaaggaacng 660

gtttaaaccc aaggnnttta angggggggca aangnnnnta aaaanaatng ggnccaaaaa 720

tncaaaancc ggggntgggt nggaattnca aatcccnaaa tggggaaaac cccgggggggg 780

gnaaaaantt tgggnggggn aaaaaacctt tttgggnttt gacc 824

<210> 13776
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-F10

<400> 13776

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agtagctgag ctgagaagat tcgtcgagca gttgaaattg aatccttcga ttctccacga 120

tcctagtctg gttttcttca aagaatatct ccgaagttta ggagctcaag ttccgaagat 180

tgagaaaact gaaagagatt atgaagataa ggctgagaca aaacccagtt tctctcctaa 240

acatgatgat gatgatgatg atattatgga gtctgatgtt gaactcgaca actctgatgt 300

agttgaacca gacaatgagc ctcctcagcc gatgggagaa cctactgctg aagtgaccga 360

tgaaaatagg gatgatgctc agtcagagaa gaacaaagct atggaggnaa tctccgatgg 420

gaagtttgac gaanct 436

<210> 13777
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-F12

<400> 13777

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cgnccgattc tctttggtgt tcctggtgct ttcactccca catgcagcat gagccatgtg 120

cctggattca ttgggaaagc agaggagctg aagtcaaagg gtatcgatga gatcatttgc 180

tttagtgtga atgatccatt tgtgatgaag gcatggggaa agacatacca agagaacaag 240

catgtgaagt ttgtagcaga tgggtctgga gaatacacac atcttcttgg acttgagctt 300

gatctcaagg acaagggtct tggtattagg tcaaggagat ttgctctgtt gcttgataac 360

cttaaggtaa ctgtagccaa tgtcgaaaat ggtggcgagt tcacggtttc cancgcagag 420

gatatcctta aggctctcta agaaacatta tcattcgctt gttgtantgt gaatctaaac 480

cgctgtatgt gaagaaagag aaatat 506

<210> 13778
<211> 92
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-F4

<400> 13778

aanctcagaa tnctganctc gctgggattg ggctgggatt tcctcaaagc ggttgaactg 60

attgttacaa atgaacagct aatgcaatng ac 92

<210> 13779
<211> 697
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-F5

<400> 13779

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gttcaaaatt gtggtcgtgg acgcaataag atcgttgtgt gtgaaattcc cactgaaata 120

cagatccttg atgaccttct taagcaacat tcttagggaa gaaggtggat ttgagtataa 180

aagagcaata gtagattcta ttgtgaccat tatcagagat attccggatg caaaggaaag 240

tggactgctt catctatgtg aattcattga agattgtgaa ttcacatatc tttcaacaca 300

gatccttcat tttctgggaa ttgaggggcc taacacctca gatccaagca agtatatacg 360

atatatatat aancgtgtgc atctagaaaa cgccactgtc cgggctgctg ctgttccaca 420

cttcaaagtt tgggtttatg gttgaatcct tgaancccg gattacngtc cattgaancg 480

ttgcatctat gacagtgatg atnagnccgt tataaggcaa cactatattg agtgtcctgg 540

gggnnatgga cggttacact ntaanaaaca agggttccaa ttggtcccgg angtccccaa 600

ncaaanggaa cnnnccgaaa atttnncccc gaaaactttn aacaaccctc caaggattac 660

ccacccttn aaaaaaaccc gggaaaaccc ggctggg 697

<210> 13780
<211> 63
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-F7

<400> 13780

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tga 63

<210> 13781
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-016-Q1-E1-F9

<400> 13781

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ttccttggat gtgcatgttt cttgtggaac aaggcagttc tgtttttaag taaaattcat 120

ggcgacggat tcgttcatca agttaaatcc aatttccttt aaccgtgccc gcttcgacct 180

ccgagatttt gctggcataa gtcctaaaag catctcttct ctgtgttgca ttagcccaag 240

attgatatct tgcaaccatt tcagcccgag aacattgata tccggcgaga atggtaacat 300

attgttttcc aagaaaaaga tccccgcgtt tgtccgatgt cagacaagtc ttgggatcgg 360

aaggaaccaa aaatggtggg agaaggaatt gaaaccgaac atgaagtcgg ttacatcacc 420

gcaagatctt gtctcc 436

<210> 13782
<211> 855
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-G1

<400> 13782

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cacgcgtccg cngacgcgtg ggacgagttt ccgctgattt ttcgcaagga tggtaagaca 120

tgtgtgtttt gggatgtgga ggattaccca atcccagctg atctccatcc tcgttcgatc 180

cggcggagaa tcgtaaagga tgtgaagaaa tatggttgtg atgcggaggt gtcgattcat 240

gcttatgcta atgataatac ggtctcggta acaatgaggc gtcaattttc ggctgctgga 300

atcaaattgg aagtgttcac ccaagcaggg gataaatatg cgagacattg ttccttgtat 360

ggtgacatta tgctgtggtc actggaaaat cctccaccat caaatattat tgtcatcgca 420

aaaataatcg atgacgactt ggctgatcgt attggatgtt tgactaccgt ctggtcataa 480

gggcttctca tatcccaagt taagccagaa tggctagaac ggctttttcc ctgttggaaa 540

ctatcctcgt ttttggcanc atanttgatg gangattgcc gaaatcatcc gaaagcgaac 600

aaggatngct tccccccccat gaantccgac nactaacttt ttgngtcaag ttaatggntt 660

tgtgccaaaa nttgaaaanc aattttggat tgaaaaggtt tttaagaatg gccaaaccaa 720

aaaaatttaa gttaattttg ggcaaaaaaa aaaaaaaaaa gggggggccc nccccaaaag 780

gntncaaacc ttactttncc cttgaaagga aaantaaaaa ccctccaaaa gggtncccna 840

aatttaattc ccggg 855

<210> 13783
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-G10

<400> 13783

nnnnnnnngn aantgtcnac ttagnncggc cngtgaccga naccgaaaat tcncgggtcg 60

acccacgcgt ccgctttttt tcgagattca gctgtaaaac cctaactagc gccatagcca 120

aggaagcttt cctcagatcg tctctccgaa attttccggt taatcgtcag ttaaggggaa 180

aattaggcta tggcgatgtt aggtgcacag caagttccag cagcagcttg tactccagat 240

atggttggga atgcttttgt gccccagtat tatcacatat tgcatcaatc acctgagcat 300

gttcacagat tttaccaaga gattagcaag ttaggtcgtc ctgaagagaa tggtttaatg 360

agcatcactt ctaccttgca agctattgac aagaagataa tggcgcttgg ttacggtgta 420

atcagtgcag agatagctac tgtggacaca caaagaatct catggaggtg gttataatgt 480

actgggtgac tgggtatttg acgggaaaag acant 515

<210> 13784
<211> 672
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-E6

<400> 13784

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actgtcccat caatttcact ccttcttctt tctcggcgag gaatctccgg tcgccgtcaa 120

catcttatcc ccgaatcaaa gctgaactcg atcccaacac ggtagtcgcg atatctgtag 180

gcgtagcaag cgtcgcatta ggaatcggaa tccctgtgtt ctacgagact caaatcgaca 240

atgcggctaa gcgagagaat actcaacctt gttttccctg taatggcacc ggagctcaga 300

aatgcagatt gtgtgtggga agtggtaatg tgaccgtana gcttggtgga ggagagaaag 360

aantctcaaa ctgtatcaac tgtgatggtg ctggttcctt aacttgcact acttgtcaag 420

ggctctggng ttnaacctcg aaaaccttga tcnaagggaa ttcaangggc aatgactaaa 480

ataccttgct ccaanggaaa anttcctttc cttcncccct cnnaaaattt cttcaattgg 540

tcaaangccg gttttggttt aaccaaacaa tgtttgagna naaaaatccn ggnnaanggg 600

gnaattggta anttggggaa aaggaaaanc ccccccgggg ntttaaacca aaangggttt 660

ccttccctng tt 672

<210> 13785
<211> 689
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-G3

<400> 13785

acagctagtc ttgtctctga agctgaatcc aagcttcact cctctttctc ctctcttccc 60

tttcactcca tgttcttctt tttcgccgtc gctccggttt tcttcttgct actcccgccg 120

cctctattct ccggttaccg tctacgccgc gaagaaactc tcccacaaaa tcagttctga 180

attcgatgac agaatcaacg gcgctctctc tcccgacgct gattcccgct tcctcgaccg 240

ccaaaaggct ttagaggcag ctatgaatga cattaacagt tcatttggta aaggaagtgt 300

aacaagattg gggagtgctg gtggagcatt agtggagacc ttttcgagtg gtattttgac 360

tcttgatctt gctttangtg gaggcctaac aaagggtccg gtaatcgaaa tatatggacc 420

aagaaagtan tggcaaagac caagctaagc aatccaangc taattgctga aattgcaana 480

aaccttggan ggaaatgcaa tggccttggt tgaatgcaan aagcaatgcc ctttggattc 540

aaaccgttat tccnaaaagc natttaaggg ggtttnaagg tttnaaaaaa ttttggaaaa 600

tngttgccaa acccaanant naatgggnna aaaatngggt ttttanaaaa angggnaaan 660

cccnttannn ttttcccccc aaagggtnc 689

<210> 13786
<211> 62
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-G4

<400> 13786

anaaggggggg ccctttgggg ccctttttgnt tttgggcccc ccccaaaatt tttgggggggg 60

gg 62

<210> 13787
<211> 460

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-G5

<400> 13787

cgttttgcaa ggagttttcc aagttttggg aagttgatga ttcctcatca gctcccaagg 60

agccttcaat tctcatcggt ggtaaaatgg gggaccgaan tagctcgttt aagattgaga 120

aagctggana aggagctaga gcaaacgttt ataagttgac cacctttac ggaaccgttg 180

gagccatccc aggggtttgg ttaagcgcac cacaactaat tatcaccaag gatacggcta 240

agaccttact cgtcaaattc aaaaaggttg atgatgctac tacggctact agcaacttat 300

acttcccggg ttgataattt aggtctaagg atgttcccgt tctactaatc aactggtana 360

aattagtgta tattaancct gagactcgtc catggcctaa aataatgaag ttattttcaa 420

atttcaaaan cnannantcc aangcnantg nngaantnna 460

<210> 13788
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-E1

<400> 13788

gggcactcca gaaccgccta aagggaaagg gaaggcatct ttaaaaggaa ggacggatga 60

agctatgccc aaaaagaaac agaagataga ttcttcatca aagagcaagg ccaaagaggt 120

ggagaagaag gcctcaaagc ccgaaactga gaaaaatggc aaaatgggtg atattggtgg 180

gaagattgta gcagcggcat cacgcatgag tgaaaggttt cggagcaagg ggaatgtgga 240

tcaaaaagag acatcaaagg cctcgaaaaa accaaagatg tcttcaaagt tgaccaagag 300

gaaacacact gatgaccaag atgaagatga agaagctggt gatgatattg atacttctag 360

cgaagaggcg aagcctaagg tgttaaaatc ctgcaactcc aatgctgatt aaagttgctg 420

aaaantctcc tgatgaagat gaacccaaag t 451

<210> 13789
<211> 503

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-E12

<400> 13789

ngnnnnnngg ggngnganct tcttgcaggn tnngccggtc catnacggtc cagggcnccc 60

gggtccaccc acgcgtccga ncggaacaag gattgagaaa aggaaccttt ccctttaat 120

aagccgatat agatccttgg aggagaattt gtagcagacc gatctctgtc tgttgtctct 180

gtttctacga ntctctgtgt ttgtcggaaa tcgtaaatta tgggtttgtg ggatgctctt 240

ctcaattggc ttcgcagcct cttcttcaag caagaaatgg agctttcatt gataggactt 300

caaaatgcag gaaagacatc acttgttaac gttgttgcaa ccggtggata cagtgaagac 360

atgatcccta cggttggttt caacatgagg aaagtgacaa aaggaagtgt cacgatcaag 420

ctttgggatc tcggtgggtc aacctagttc ccancatgtg ggaacgttac tgccgttctg 480

tttccgcaat tgtgtnggta gtt 503

<210> 13790
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-E2

<400> 13790

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ctccggagcc accactcctt ccccttctta tatcctctcc cgtcgatcaa ccccggtgtt 120

ctcccatgcc gtcggattca tctcttcctt gaatcgtttc acaacgattc gaactcgaat 180

ggataggtcc ggtggatcgt actctcctct aaaatccggt tcgaatttca gcgaccgagc 240

acccactgag atggcgccgt tgtttcctgg ctgcgattat gagcattggt tgattgtaat 300

ggacaaacct ggaggcgaaa acgctactaa gcagcanatg attgattgtt atgttcaaac 360

cctagctaaa attatcggca gtgaggaaga agctaagaag aagatttata atgtatcgtg 420

tgaaaggtat ttggg 435

<210> 13791
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-015-Q1-E1-E6

<400> 13791

gctggaactg ttactcttga agaggtaaac actgttggcg ccaaggtgct agaatttatt 60

tctgatttcg gaagacccac tgcccctctt cccgcagcaa tagttgcttg tgttcccact 120

aaggtgcatg ttgatggggt tggtgagagt gatttcaata tatctcctga tgaaataata 180

gagtctgtca aatcaggatt attagcaccc attgaagctg agcctgagct cgaggtgcca 240

aaagaattga tctctcaatc acaattgaaa gagttaacct tgcagagaaa tccatgtttt 300

gtccctattc ctgggtcagg tttaaccaaa ttgcatgaca aagagactgg gatcactcag 360

cttcggttat ccaatgggat agctgtaaat tacaagaaat ctacgaccga atcccgggca 420

agtgtcatgc ggctcattgt tgg 443

<210> 13792
<211> 73
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-E8

<400> 13792

ngaagttatc cacngcaagt gggccatgct ctggatccta agctgcatcc tccctgaact 60

tttggctana aac 73

<210> 13793
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-F1

<400> 13793

attatactca agcanaggcc tgacgtggtt gcctttggtg gtatgtccct cttcttgtat 60

ggtangggcg tcnctgtcta ttccttcgaa ngcgttggna tggtcttgcc tcntgaatcg 120

gggatgaagg acaaggacaa gtttggcaaa gtcttggctc tcggtatggg attcatctct 180

ctcatataca tcgcatttgg tatcttangt tacttggctt ttggtgagga caccatggac 240

attatcactg ctaacttggg ggcangactt gtcancactg ttgtccanct tggactgtgc 300

atcaacctcn tcttcacctt ccccttgatg atnaatccag tgtttgagat agtggagaag 360

cgtttctcac gcgggatgta ctctgcgtgg ntcacatggg tactccntcn tagcagtgac 420

tctggtggtc tttttgtg 438

<210> 13794
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-F10

<400> 13794

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tccgaatttt gtcaaaccct gctctctttt ctccaagtgc tctcatggtg cttccgctct 120

tccggcgcgc tgcgatcgcc cggacttcct cgcttctcag agctcgtctt ttcgcgnctg 180

cctccgaatt ccattctcgc ttttctaatg gactatacca cttggacgac aaaattagta 240

gcagtaatgg tgtgaggtct gcctctatag acttgattac aagaatggat gatagttctc 300

caaagcccat tctgcgattt ggcgtgcaaa acttttcatc tacaggaccc atatcacaga 360

cggttcttgc aatgccagcc ttgtctccta ctatgagtca tggaaatgtt gtnaaatgga 420

tgaagaaaga aagtgacaan ggtaaaaggt gggttgatgt nctaagtgan atanagacag 480

gcnangccac t 491

<210> 13795
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-015-Q1-E1-F2

<400> 13795

gggtcacagt ttcacagaca cgcggctcct cgatggttgt cttccgccga cagccgccgc 60

gtgtatgtcc ttcccatacg gaatctgcca cgttgcgttt gtataatctg cctgactagg 120

gctttagcag tgtataagag acgagacgag acgcgattca ccggagagtc aaagaggcaa 180

ggaggagaaa gccaatggca catgccacgt ttacgtcgga agggcagaat atggagtcgt 240

ttcgactctt gagtggccac aaaatcccag ccgttggact cggcacgtgg cgatctgggt 300

ctcaagccgc ccacgccgtt gtcactgcaa tcgtcgaagg gtggctatag gcacatagat 360

acagcttggg aatatggtga tcagagaaaa gtccgtcaag gaataaagaa ggcgatgcac 420

gctggccttg aaa 433

<210> 13796
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-F4

<400> 13796

ttctctctct ctctgtggag tgttcgaatc tccaagctct ctctcaaatg gcagcgtcca 60

catagtagag ctgaagaagc actgtatcta tctacagaga aagtgaagag gaagaaaagg 120

aagagaggat atagaaatta agctggcgac ttttagtccg aggcgagcaa tggcagagtt 180

acggcactcg agctctctcg gtagccgatc ttcttcttct ccgttacgtg ccgccggaga 240

tgaggattct tcatcgcctc atgtacacga tcactctcct aacggcggag acgacgaaga 300

tggtcgccca cgtcatcctt ctaaagatng agaacgtccg atntggnttc antccttgnt 360

tccnttcctc ggtgatgatc ctaagggttc tcctcanaaa gaataaaatc ncgcctcnaa 420

tgantttgg 429

<210> 13797
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-F7

<400> 13797

atggtgggag aagtcaacaa atcacaacat gttagagatt caatctgcca atcatcttgt 60

tgactctttg ttaaacgctg gagatagatt ggttgttctt gatttctact ctcctggttg 120

tggtggctgc aaatctctcc acccaaagat atgtcaattg gcagaaacaa acccaaatgt 180

gatgtttctg aaagtgaatc aagaagagct tagaacaatg tgtcatggtc taaacgttca 240

tgtgctgcct ttctttaagt tctatagagg agcagagggg taaagtctgt agcttcagct 300

gcactattgc aactatcaat aagttcaana aancgttgga taancacggt attgaaaaat 360

gaacccccgg gaatccaang gaattancca aaaaggaatc cccggttttg gnancgtttg 420

gtaaattgaa atnaaattc 439

<210> 13798
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-F9

<400> 13798

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agatgtggaa atcaaatcta cggctgataa gtttttcatg ttctctagaa gatcacaaca 120

tgcctccaaa gccactcgct atgtacaggg atgtgatctg ctcgaaggcg agtggggcga 180

agttggaagc atactcttgt ggaaattaac tgttgatgga gagccaaaag tgtcaaagga 240

tatgattgag gcgattgata tgaagatgaa tatgatccag tggagggtgt tagagggacc 300

tctgaaggaa gagtacaata ttttctcgaa aacgatgaaa gtaagcccta agcaaggagg 360

gtctggaagt gtggtgaagt ggaacttgaa gtatgagaga attgatgaga aggtggctca 420

ctananangg 430

<210> 13799
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-G12

<400> 13799

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aatttgtgtg agagtagaga gtcttgcttc agttgaatca aagattggtc ctttttttt 120

tcgttttctc tttcctgctt tttttgtttg tagtttctga tctctcagga aggcttttta 180

taaatttgcc ctcaatttct ccgtccctac tactcttttt gatcaatttc tacgggaaaa 240

agcaccaatc tttaaacccg ggcatgtcct tgtaatcgag tatgttgtgt aagtgatgaa 300

attgtgggtg aattctggtg agaagtttcc ccctttttcc tcagattgcc ggtaaaaaaa 360

anagttttta ataagggana agattgnnaa ttnantttaa ccccttggt tggggtgana 420

agg 423

<210> 13800
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-D9

<400> 13800

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ggtttctgtc tcagttggac tttcttccac tggttcatca gcttcattgt cttgttgtgc 180

ttccacatat tcctctgttt tctcctctgc attctcggct tctgtttctt cattgtcacc 240

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accttcggaa gtatcaggat gagactcaga tccttttgcc ttcttcgatg cangaggtgc 360

aatctcagaa ctgggtttcc ccttgagtca gactatcttg ttgtggtcag aaacaacgaa 420

tcagctgggg g 431

<210> 13801
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-G2

<400> 13801

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agccgataat gaattccgct ttagattttg cttttccggc tacatttccg gttaaatcga 120

gttctgttgg cggacatcgg attgcttccc ctggattcag ttcccgctta agattgtgct 180

ctcttcctcc ttcttcatct atcaaggctg agtcatgttt aaaaagagac gtgcacaggc 240

aaagaagcag tcttgagtca atgttctgtt atgataaacc aataccagag gaaataatcg 300

aggagccagt tggattatcc atgtcagaga gagagattgg tgataatcag cgttgcactt 360

gttgtgaagc taaaggtgca atgccttgtt ccacttgttc ctggaactgg tccanaagta 420

gattccaata agg 433

<210> 13802
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-G4

<400> 13802

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atggcaactc agaaactaaa cctgagattt acgaatctct caatgaacta aaactggagg 180

aagaggaaga attaactacc gttcaccacg agagcagatc cccttcaaac aatacaactg 240

ttgatatatt cagcattgtc aaaggaactg gccgtagaaa aaatctcatg cgttcaaatc 300

ctactgataa gtcttcagaa gcagagaatg ctgctggttt gagggtaaag aagatnaaga 360

ggacaccgga ggacganaaa gagtcaatgg gtctggttga gaaactaang aaaagaaata 420

agagaaaccg tc 432

<210> 13803
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-G5

<400> 13803

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ataacccgag tgctcgagaa ataccctgaa ttcagcacca tgaccgagct tcttgccaag 180

accgagctca caccaattat caacaaacgt cagaccatca ccgtgctggc ccttaacaac 240

gatgctatcg gttccatctc tggtagaccc gaggaagagg tcaagaacat tcttatgaac 300

catgttggtt cttgactact tttgatgagc ttaaagctca angggctctc aaaggaaaaa 360

gaacacattg gctcaataac ctttaacaat ncaacggttt ggggcaacaa gcaaaacggt 420

ttcctcaact gcaacaaatc taacggaaag a 451

<210> 13804
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-B3

<400> 13804

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atgaaaacga agaagacaag agagttactc tcaaagtcac gcaagtcgcc gagagacccg 180

atagaatctc tccgatcgtc gcctatttct ctacaggata cgatccttgt aaagtagatc 240

caaaaacagg caagagagtt catgaaactc ccaaggttac tgtttacaag cataaggatg 300

attctaagaa gaggattcag gttgttgtaa gtcctccagg cgcaagagtt gagttcgtcg 360

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ttaatagaga ggntaaaact t 441

<210> 13805
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-B4

<400> 13805

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agtaagcaac atcaacgctt gcactgctgt tggagatgta gttcgaacca cgctcgggcc 180

acgagggatg gacaaactca ttcacgacga taaaggatcc gtcaccattt ctaacgatgg 240

tgctaccatc atgaagctcc tcgacattgt tcatcctgct gctaagatcc tcgtcgatat 300

cgccaaatcc caagactccg aagtgggtga tgggacaact acagtggttc ttcctgcaac 360

anagtttttg aaggaagcga agccatttat tgangatggt gttcangctc aaaatctaat 420

taagagttac cgcactg 437

<210> 13806
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-B6

<400> 13806

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agtccatcaa aagatgtata cttgcattgt aggatggttg atgaggctcc tttcaatatg 180

tacaagaagg caggatacga ggttgttaag acagatacag ttttggtcct tctgatgtta 240

cagcggcgta agcatttgat gcggaagaaa cttcttccac tatgcaccaa tcctatagta 300

gaaatggtgg ggtctgataa tgagctgacc tcctctgcaa atgtgtaaac atgggagcta 360

aatgtgacat gaccaagggt cgggttgata atcccgtttg cttcgaccta tgttaaatga 420

tcttagtana ncac 434

<210> 13807
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-B9

<400> 13807

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cttcttctct acatcccaac tccaaactct cacattctct ttcagctaaa ttatcctcca 120

aagcaaatgt ttccgtccaa tttctgggaa agaaacagtc tccgcttctc tcctcaactc 180

cgagatttct cactgttatc gccatggctc cacctaaacc cggaggcaaa gctaaaaaag 240

ttgtgggagt tatcaaactt gctttagagg cgggaaaagc aactccggca ccaccggttg 300

gtccggcgct tggttctaag ggagttaaca ttatggcttt ttgcaaggat tataatgcaa 360

gaactgctga taaagctggt tatatcattc ctggttgaaa tcacngtctt cgatgataag 420

agcttaangt taatcccaag 440

<210> 13808
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-C10

<400> 13808

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tagagaacct gaaccggaga tttggaagga tccagatgaa gctggaacgc ctgcaagagt 120

tttggagagt gagaggcagt tttactatta cggggagagt ttgaggcaag cattggcaga 180

agatttacac cagagactct cctcgaggta aaagacatga acagatcttg gtcaaaaaat 240

ggagctttct atctttgtta tcatgtaaga agcagatgct ttcaagtgtt tagaacttta 300

gatagcattg tagattcaat cctcttgaga agaaagtttg aggattcaga aatgttaaaa 360

agctgacttt gttgcctagc catccaactg tcantttgta cttaggatgg ttaatggtt 419

<210> 13809
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-C2

<400> 13809

gcccacgcgt ccgaagtcat ttaactttcc taaaacaatg gctttaaaac atatgcaaat 60

ctttctcttc gtcgctatat tttcatcatt ctgtttctcc atcactcntt ctcgtccact 120

cgacaatgaa ctcatcatgc aaaagaggca catcgagtgg atgactaaac acggccgtgt 180

ctacgcggat gtgaaggagg aaaacaatcg ctacgttgtg ttcaaaaaca acgtcgaacg 240

cattgaacat ttaaatagca ttcctgccgg aagaactttc aaacttgcgg taaatcagtt 300

tgctgattta accaatgacg aatttcgttc caagtncact ggnttcaaaa gggtgtcctc 360

cggnaataac ctaagccaaa agccaaaact aaaaatgtcc ccgtttaang gtacaaaacg 420

tttcctcccg ggtggcttgg ccgggttt 448

<210> 13810
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-C3

<400> 13810

aaaactcaca gtctaaacag tgattcacct gttcttccag tatcagctga gatggcaaag 60

ttgcttcctc aacgcaaaga gagtgcaaga ggatctgatt taatgttaga ggcggttctt 120

gaagcggaag tagcacacaa ggcgaaaagc tttttcgcac aagccgagaa agaaactcca 180

gctttgaaag ggaagttttt cagtgacagg aaaggagaaa attgaactca aaagttttgg 240

ggaccatcat cgatcacaag acaccggcaa ggtacaaaag agtaggcctt gttatttaac 300

tgtttttttt tttatgttcg atgagccaag aatctgaggg acctttgttt ctgatgcggc 360

aacaagtgag ctaaacttgg agcgaagtca gttcactctt tcatcntgta attaatgctt 420

ccgctttata agtttaaggt tt 442

<210> 13811
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-C9

<400> 13811

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agagtacact ttacttcagc aaaacgtcaa atggccttta ggttggcctg ttggagcgtt 120

ccctggtcct cagggtcctt actactgtgg agttggagct gacaagattt gggggcgtga 180

catttcagat gctcattaca aagcttgttt atatgctgga attaacatta gtggtactaa 240

tggtgaagtt atgcctggac agtgggagtt ccaagttggc ccgagcgtag gaattgatgc 300

aggtgatcat gtttggtgtg ctagatacct tcttgagaga atcacagaac aagctggtgt 360

tgtcctaaca cttgatccca aaccgataga nggtgactgg gaacggtgcc tggttgcaac 420

aacaantaca atac 434

<210> 13812
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-D1

<400> 13812

atncttcctt cacagtgaat caatggcgtc ttcttctcta tcaactcttt gcagctcaac 60

ttcttcttct ctacatccca actccaaact ctcacattct ctttcagcta aattatcctc 120

caaagcaaat gtttccgtcc aatttctggg aaagaaacag tctccgcttc tctcctcaac 180

tccgagattt ctcactgtta tcgccatggc tccacctaaa cccggaggca aagctaaaaa 240

agttgtggga gttatcaaac ttgctttaga ggcgggaaaa gcaactccgg caccaccggt 300

tggtccggcg cttggttcta agggagttaa cattatggct ttttgcaagg attataatgc 360

aagaactgct gataaagctg gttatatcat tcctgttgaa atcactgtcc tcgatgataa 420

gagcttcacg tttaatccca ag 442

<210> 13813
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-D11

<400> 13813

gggggnganc ttcttaacgc nnngccgntc gganacggtc acggtncccg ggtcnaccca 60

agcgtccgan gaaaaaaaat atgtattgta gagagtcctt gtcgagtctc cagactttga 120

acgtagcaaa gagtctcagc tctttgttcc ctaaacaatc agctctcatc aaccngatct 180

ccgctggacg tcganacaac ctgcctcgtc caaacctcag aagacgatgt aaggtcaccg 240

cttcacgggc taatattgaa caagaaggta acacagtgaa agaacccatt cagaatatta 300

aagtaaaggg atacataacg gcccaagaag agtttctgga gggcataact tggtcgagag 360

gtctcgatga cattgctgat atccgcggca gatcattgct cgtcgagctt attagcgcca 420

agactgacca gcggattacg gtagangact acgcacaacg tgtatggggc cnaagccctg 480

atganaagta caatgggaat ttgana 506

<210> 13814
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-D12

<400> 13814

ngnnnnnnnt ggggngnatn gtttntaagg tnttngccgg tccgnaacgg tccactanan 60

tcccgggtcc acccacgcgt ccgaacggtt tcctcaactg caccaaatct aacggaaaga 120

tttactttgg ttctggtgtg aaaggcgctc ctcaaaccgc tgaatacatc acaaccgttt 180

tccgtaaccc gtacantctc tctgtggtcc agatcagcat gcccattgtg gcacctggac 240

tcgggtctcc ggttaaggtt cctccaccac cacccatgtc ttcaccaccg gccccatctc 300

ccaagaaggg tgcagccact ccagctccag ctcctgctga tgaaggggat tatgcagatg 360

ctcctcctgg tttagctcca gaaaccgcac ctgcatctgc accatcataa agtgattctc 420

cagctccagc tccagatang tctggcaaga aaagatggca gcantgatga ggctgaacaa 480

ccttcttctg cttctacacc ggtttga 507

<210> 13815
<211> 356
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-D3

<400> 13815

ggacgaagtg atgaaaatca tgccggttca aaaacaaacc agagccggtc agagaacgag 60

attcaaggcc ttcatcgtcg tcggagatag taacggtcac gtcggattag gagtcaaatg 120

ctccaaggaa gttgcgacgg cgatcagagg cgcgatcatt ctcgcgaaat tgtctgtggt 180

tccgatacga agaggttatt ggggtaacaa gattggaaaa ccacatacgg ttccgtgtaa 240

ggtaaccggg aaatgtggat ctgttactgt acgtatggtt ccagctccga aanggtctgg 300

gtaattgtgg cggntaaaan tcccaaaaan ggtnctnnan tncccngnan tnanga 356

<210> 13816
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-D4

<400> 13816

ggttgagctt ccttcacgtc cacacttctc acctacaaca acaactaaaa gctaagctct 60

atgttcacat tttgatcgaa agttttagta aattagagcc aatcattggn ttacccttttt 120

ctccaataga agctctctct tctgtctcca atcgacttca gctaaaccct ccaagagaca 180

caaacagaag aacgagaggt taatctaacc gaactttacc attcacaaga tcgatacaca 240

agatcgctct cgctctacaa gttgtatacc tgcaggtttg gcaggtttgg ttgaagtgca 300

ttgaatctta agcgttttgt gaccggaaac cattgctgcc gatngaactc cggcaagaga 360

aaagaatgtt tccgggaggg attcaaacgc aaagcctgcg atgaanatgg gtaaagggtg 420

gctaatgaag taagtga 437

<210> 13817
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-D6

<400> 13817

aagtggaagt agaagaagaa gaagcgaagg ggatatctgg tggattcggt ggtgagttca 60

tgacggtggt tcaggagatg ataaggacgg aggtgaggag ttacatggcg gatttacagc 120

gaggaaacgt cggtggtagt agttctggcg gcggaggtgg cggttcgtgt atgccacaaa 180

gtgtaaacag ccgtcgtgtt gggtttagag agtttatagt gaaccaaatc ggaattggga 240

agatggagta gagtgataag aacaagtttt ccctctgttt ctcgggaaaa taaaagtttc 300

aggcttttca tgtatagagc cagtagtaga gacgacgaaa ggaggaagcg aaatcaaaaa 360

atgttttgtt atcatcatca tatgatcttc cttcgtgatt caattaaaag caaagcaaga 420

tnatttatta acaatttaaa a 441

<210> 13818
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-B2

<400> 13818

aactcctcct aaggaatcac cttatatctg taacatgact gtcaaagagg atcttagaag 60

gagaggaatt gggtggcatt tgttgaaggc gagtgaggaa ctgatatngc agattagtcc 120

atcaaaagat gtatacttgc attgtaggat ggttgatgag gctcctttca atatgtacaa 180

gaaggcagga tacgaggttg ttaagacaga tacagttttg gtccttctga tgttacagcg 240

gcgtaagcat ttgatgcgga agaaacttct tccactatgc accaatccta tagtagaaat 300

ggtggggtct gataatgagc tgacctcctc tgcaaatgtg taaacatggg agctaaatgt 360

gacatgacca agggtcgggg ttgataatcc cgtttgcttc gacctattgt tatatgatct 420

tagtagagca caa 433

<210> 13819
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-H1

<400> 13819

aattccaaaa cactgcgccg ggaagacatg gacaccgaga tggagacaga acaaatatac 60

caggtcgatg tcggaaatct cttggctttc aatcccaatc accgcttccc atctgctcct 120

tcttcaaggg gggagcttgt gaaggagatc ctaacggagg gaacaaaact tgttcaggaa 180

atagccaata aacttttcaa ctttccttct actgaaacaa atgatggtcc tattgtccaa 240

ttgcctccgc ctacaaccaa acttcctaga gagaaacata ttccaaggcc taagcctcct 300

acgaagtggg aagagtttgc gcttaagaaa ggtatacaga agcgcaagaa ggaaaaagtt 360

gtatgggatg aacaaactaa tcagtttaaa gcgtcnccat ggttatgacc gtgttaacga 420

a 421

<210> 13820
<211> 86
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-H10

<400> 13820

gaancaaaga ttggtcggtt ttttttcgt tttctctttc ntgctttttt tgtntgtagt 60

ttctgatctc tcaggaaggc ttttta 86

<210> 13821
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-H12

<400> 13821

accngntctg tacgcaccat acggtcacaa tcccgggcca cccangcgtc cgaaantatc 60

gtgttcgtga atcgaanatc nangcttgga gattcaatat ttcttcgatc tcgtgttctt 120

cgtctcgttt cgtcggtcca gtgttaatan naaatgagtt caactgtttc aaatccccaa 180

ngaatcctgc aaccaggctc atttctgctt ccagaatcag aatctatgat tgaaagagga 240

ancanagtta gtttctgtgt gttggaatca ggattcaagt tgttttgcag ctggaacgag 300

tcatggtttt cgtntatata actgtgaacc tttcaaagaa actttcaggc gtgagctaaa 360

ggacggtggt tttaaaatcg taganatgct tttccgtatc aatatactgg cacttgttgg 420

tggtgggcct aactctcagt atccttcaan gcaanngtac taattttggg atgatnat 478

09/836,946

<210> 13822
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-H3

<400> 13822

tacttctggg ttttcgataa tctcttttgg gtatttgcaa acccctcaaa gattcttcct 60

ttctccttta aatcgtctct gctttggctt tgtactagcc atcgcaattc ancatcatct 120

attgcaagta tctccaaggt tttgatttcc acaatggcaa caactactct caatgacagt 180

gtcaccacta cacttgcttc agagcctcaa aggacttacc aagttgttgt tgctgcaact 240

aaagaaatgg gtattggtaa agatgggaaa ttgccatgga atttgccaac agatctcaag 300

ttctttaaag acattacttt gaccacttca gattcctcta agaaaaatgc tgttgtgatg 360

ggtagaaaga cttgggaatc naatcccatt aagtataagg cgcnttcggg tcgggtt 417

<210> 13823
<211> 383
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-H8

<400> 13823

gctacgaaca ctgatttctt caagactttg ctttctcctt tctcaaatgg gaatgcggcg 60

caacgaagta gtagacagaa cattgtttgg ttaaatcgga agcaatctgg aaataataac 120

agatctcttc gtgttaatgg attattcgga ggcggaaaaa aggacaataa agaggatgga 180

caatcaaagg caggaattct aggtaacatg cagaatttgt atgagacagt gaagaaagct 240

caaatggttg ttcaagtaga ggctgttaga gtgcagaagg agcttgctgt tgctgaattt 300

gatggttatt gtcaaggcga gcttgtcaan gttacattat cangtaacca gcaaccaatt 360

cgcactgata tcactgatgc anc 383

<210> 13824
<211> 496
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-H9

<400> 13824

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acgcgtaggc ggacgcgtgg gtgctgccat catttgggct gggtatccgg gtcaagcggg 120

tggagctgcc atcgccaata tcatctttgg tgctgctaat cccggaggaa aactacgaat 180

gacatggtat ccacaagatt acgtggccaa agtgccaatg acggtaatgg ccatgagagc 240

atccggtaat tatccaggaa ggacatacag attctanaaa ggtccagtag tatttccatt 300

tgggttcggt ttaagttaca ctaccttcac tcatantttg gccaaaagcc cattggccca 360

actatcantt tcactctcca atctcaactc tgccaatacc attctcaant cttcatcaca 420

ctccatcaaa gtgtctcana ccaactgcaa ntcaattccg aaaatgnccc ctcaagtnna 480

antntcaaac acangt 496

<210> 13825
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-A1

<400> 13825

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tcaaatctcc tgtaaccaga tcgtctaatt atccgatctg cgtttcgaat ctcagatcga 120

agatgccggt ggctgcttcc gccatctatt ttctgaatct ccgtggcgat gtactcataa 180

atcgcaccta ccgagatgac ntcgggggaa acatggtgga tgcatttcgt acgcatataa 240

tgcagacgaa agagttaggg aattgtcctg tgcgtcagat tggtggctgc tcctttgttt 300

atatgcgaat cagcaatgtc tacatcgtca ntgttgtnag tagcaatgct aatgttgctg 360

tggattcaaa tttgttgttg aggctgtagc tttgttcaaa tcatactttg gtggagcttt 420

tgatgaaaac 430

<210> 13826

<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-015-Q1-E1-A12

<400> 13826

gggaactcaa aaatcagaat ctccagatcg agagcttaaa aagtcgattt caattcccct 60

ttaagatttt ttgcttttgg aatgtagtgt gaagaagaaa ccctagtttt ttctcacttg 120

aattctctgc cttctttagt aatgtcaagt gagcagcgag aaggttcgca agagacgacg 180

acgacgacgg tggaaggtaa cggaacaatt gcaggtcaga attctcattc ggcggctccc 240

acgacattga gagctacctc tacgatggtt tcttgccaga gactaaggct aaaccctaac 300

aacgagcata gacccgatag ttatgaagat ctgcagcttg atttcccaaa ctcggtatat 360

tctagtctgg agaagtactt gcctccgaat atgctcgtct cgaatcgtga tgagaaatca 420

aattcatgac t 431

<210> 13827
<211> 330
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-A5

<400> 13827

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tacatancgt cttggnttgt caanctttg ctcctccgtg gctacaccgt caatgccact 120

gttcgagatc canaggacaa gaagaaaaca gaacatcttc ttgcactatg acggtgcaaa 180

agaaagactc aaattgttca aancagatct tttgnaanaa tcttcttttg atcaagctat 240

cgatggttgt gatgctgtct tccanantgc ttctccagtt ctattcantg tcacacatcc 300

tcanacngag ctgattgatc cancctaaa 330

<210> 13828
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-015-Q1-E1-A6

<400> 13828

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ttgcccattc tttgtcgtcg tttttcgatt ttccttgatt cgccggagaa atagcgtttc 180

cggcaatgaa aacctctctc cgacggttac gaggtgtgct tcacaagcat gaatctaaag 240

accggagaga tcttcgagct ctggttcaaa aagatgaact tgcccaaact tcctcaaggg 300

acgtnagaaa gacaatgaag aaaattggcc taatgaataa nccttggcnn aaatggcccg 360

cctngcctgg ctaantggnc aaataantgg gcttaaagga aatttttccg gnaaaccctt 420

ttgcnaagaa actaaggggg ct 442

<210> 13829
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-G9

<400> 13829

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tagagctgaa tggataagtt cagataagcg ggaagatgat cttggtggac gaataggtgg 120

tctagttcag gaatacgcag cgaaaggaag tcccgagttt ttcttcattg tnnacataca 180

ggtccctggt tcggctatgt acagtctagc attgtactat atgctgaaaa caccattgga 240

ggagcatcct ttgttagaga gttttgtgaa tggtgacgat gcttatcgaa actcgcgctt 300

taaactcatc cctcatatct ccaaaggttc atggattgtg anacaaagtg ttggtaagaa 360

gcttgcttgg ttggtcaggt acgtnanttt gtttnntccc ccnncgggaa aaactactta 420

gnnctnacaa tnnagttngg gtctcaac 448

<210> 13830
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-015-Q1-E1-A7

<400> 13830

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ctccatgtcg tcgttgtgtg catctaattg ctatccttca tcttcttcta tcaatctctt 120

ctccaacaac aacaacccaa ctaaaccctt tcttctctcc ctcagattcg cctcctccaa 180

ttctcttcca tttgttgctc ctctcaaatt ctctactacc aatcacgtcc ttagtaactc 240

tcgtttctct tcgaaccgaa tccaaagacg cctttttttg ctccgatgcg tttcagaaga 300

atctcagccg tctctttcta tcggtaacgg cggctctgaa gagagagtga atgttcttgt 360

aattggtgga ngagggagag aacacgccct ttgccacgcc ttgaagcggt ctccttcntg 420

tgantc 426

<210> 13831
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-A8

<400> 13831

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acaaagcaaa ttctttttt ctccttagtt acttcttcta cagattatct caatcttaca 120

gagcaccatg gatcgttgta tctatggttg ctccgtcatt actatcttct tctccttctt 180

cttcctcctc aatgcatccg ctttagaatc gggtcaccac aacataactg ggtcgggtca 240

aataaactca aactccgtcc tcgtagctct cctcgantct cgttacactg aactcgccga 300

gctagttgag aaggtccttc ttctccaaac cctcgaanga cgccgttggt cgtcacaata 360

ttacnatttt ggccccaagc aatgaagcat caagcgtgac cttgacccgg attttaaacg 420

gttcttgcnc naacaagt 438

<210> 13832
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-015-Q1-E1-A9

<400> 13832

ngggnnnnna atgtcntgcn gntcggnngn cccagannnn nnaaggcccc gggtcnaccc 60

aagcgtccgn ccacgcgtcc gctcttaact catcttatac tttcttcttc tattagtaaa 120

gatgagtact ctctctacca aataaataag gaaacataaa aaacatctct ccttctttct 180

cnacatgaaa aacaaaagat tcctcaattt tgttcttatt tttcatttag tcacagtacc 240

tctctcacta taaaccacac tgtcttgaga taaaatacaa aaagagaaga gattaaaaac 300

ctcatccgat gatagactac gagagaagca ataccaccaa gaacatcaac acccatcatc 360

acaaccctcc tccatcttca tcttcctctg atcttcttcc cgacggtaat ggaaccgccg 420

tgactcagaa gcggaaacgg agacccgccg ggacaccggt tcgggaggcg gaggtggtac 480

ctttacaaca aggaaggttn canaatcngg 510

<210> 13833
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-B1

<400> 13833

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tantttgaca gtctccctcc atgtcgtcgt tgtgtgcatc taattgctat ccttcagngg 120

gcttctatca atctcttctc caacaacaat aatccaacta ancccttttct tctctccctc 180

agattcgcct cctccagttc tcttccattt gttgctcctc tcaaattctc tactancaat 240

cacgtcctta gtaactctcg tttctcttcg aaccgaatcn aangacgcct ttttttgcnc 300

cgatgcgttt cacaagaatc tcagccgtcn ctttctatcg gtaacggggg ctctgaagag 360

agagtgaatg ttcttgtaat tggtggagga gggagagaac acgggctttg ccacgccttg 420

aagcggtctc cttcntgtga nttg 444

<210> 13834
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-B12

<400> 13834

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aaaggagtgt cactttacaa aggcagaaca gttttgccta agaatanaca gtatcctctg 120

gtttacttag gaaggaatgc aagtagtcct gatccaacct cgttctgtct agatggagct 180

ttggatcggc gccatgtagc gggaaagatc gtgatatgcg accgcggtgt tactccacgt 240

gtgcaaaagg gtcaggttgt gaaaagagct ggtggaattg ggatggtttt aactaacact 300

gcaacaaatg gtgaagagct tgttgcagat tctcatatgc ttccagctgt tgcagttgga 360

gagaaagaag gtaaactaat caaacagtac gcgatgacga gtaaaaaacg acagcgagtt 420

tagagattct 430

<210> 13835
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-E5

<400> 13835

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aagctaaacc tctgtagttt tcagattgat tcgttggtgg aaagcgtcta aattttgcgt 120

aaatggcggc agctcttgta cgcagattct gccggggatc atcttttccg gtctctggtc 180

atggatatag gatgctatcg acggttgaaa atgtatctga aagtgggtaa atcgatgaat 240

ctatactctg ctattaatca agctcttcac atcgctttag agaccgatcc tcggtgagct 300

ttctcgcatt tttcaatcct aaagtctaaa gtacaatntg aattggtttt taataatgta 360

tttgggagtc acttgagtga aggncctaag gtttttgggg gaaaaatgtt tggatttggg 420

tggtgtcctc ccgaaggta 439

<210> 13836
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-E7

<400> 13836

tctcacattc cctcttcaca acaacagctt cgtattcgct catcttcttc gctttctgat 60

cttggaaatc gcaggcattg ttcgtctact cgaggatttc aattttggtc atacaagaga 120

agcgaagcag cgtcgccgtt caagacgagg tacagagaaa acgaagaaga agaagatatg 180

acgattaaac cggcggttcg tatttccgac gggaatctaa tcatcaaaaa ccggacgatt 240

ctaaccggtg taccagataa tgtcatcacg acgtcagcat cggaagctgg accggtagaa 300

ggatcttcgt cggagctgta ttaacaaggg aagagagtna acacatccgt aacgattngg 360

tacgcctcgc aaatcccngg ttaagtcctg gttcccggtt taaancctg gtggaatggc 420

caanaaaa 428

<210> 13837
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-E8

<400> 13837

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ttgccaccaa ctctctcagg aacgtgactc tgtcttccag atcgcccctt ccatcancca 120

tctccgtggc tttcccttcc cgtggacgca atactcttca gcgacgcctc gttctcgttt 180

cctgcagtac tggagacgga tctaagccta cgattctcgt ggcggagaag ctcggtgacg 240

cnggtattaa nctttggag gatgtcgcaa atgtcgactg ttcgtataac atgactcctg 300

aggagctcan cattaagatc tcgctctgtn ncgccttgat cntgangagt gggactaaag 360

gttggccgtg agtgttcgaa tcgtctcacn gacggctcaa ggttgttggt cgcnctggag 420

ttgggatcac aanc 434

<210> 13838
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-E9

<400> 13838

cncataatat cttctccaca atttcaactc ttctaaagtc taaaccatga agttactctc 60

aaagaccttt ttgatattaa ctctcacctt cttcttcttt ggcattgcac tagcgaaaca 120

gagctttgaa ccagagatcg aagctttgaa atccttcaag aatggtattt ccaacgaccc 180

tttaggagta ttatcagatt ggaccatcat cggttcgtta cgacactgta attggaccgg 240

aatcacctgc gatagtaccg gacatgtagt ctcggtttcc ttgctggaga agcaacttga 300

aggtgttctg tctccagcca tagcgaatct cacctatctc caggttcttg atctcacttc 360

aaatagtttt accggcaaaa taccggctga ataagaaaa gttaaccgag cttaancaag 420

cttaatctgt acctaaacta attct 445

<210> 13839
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-F12

<400> 13839

ttttgctctc tgttccttca aaatcatttc tttctcttct ttgattccca aagatcactt 60

ctttgtcttt gatttttgat ttttttttctc tctggcgtga aggaagaagc tttatttcat 120

ggagtctctg ctctctagtt cttctcttgt ttccgctgct ggtgggtttt gttggaagaa 180

gcagaatcta aagctccact ctttatcaga aatccgagtt ctgcgttgtg attcgagtaa 240

agttgtcgca aaaccgaagt ttaggaacaa tcttgttagg cctgatggtc aaggatcttc 300

attgttgttg tatccaaaac ataagtcgag atttcgggtt aatgccactg cgggtcagcc 360

tgangctttc gactcnaata acaaacaaga aagtccttta anagactcgt taaatgcgtt 420

ttacaaggtt tccnaggctc aa 442

<210> 13840
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-F3

<400> 13840

tctttcactt tctctctaaa aaccagaaaa aaaaaaaatg gagctttcat cgagaaagcc 60

ttatttcatt gaggaagaag aagaagagaa tttggcttct tctttatcag aaatggaagc 120

tgggttttct ggtaacaata ataatagtaa taaccatgga aatccccaaa acggtgtcgt 180

ttcttcaagc cgtttctctt acggtagatt aaacagtctt aggaacagtc agagttatta 240

ttacaatcaa tactctgttt cgtctccgag atctgttgtg tctggaagat ttcatgattt 300

cagattcgat attcaacaac ctcatttctt ggactcgtgt ttcctctgta agaaacctcc 360

tggtgataac agagacatct acatgtncag angagataca ccgttttgca gtgaagagtg 420

tngacaagaa cagatagaga aga 443

<210> 13841
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-F4

<400> 13841

gnnnngnaan gttagttagg ccnggccngg tccgaaatna ncgggtcnan cacgcgtccg 60

aaatcgataa gtaataataa tattatctct tcttctctgc ttccattttg ggtatcgata 120

aaccaccaca tccttccctg aaaccctaac cacaacaatc gccgccgtct ctagaaatat 180

ccatccacct acttcggctt tgtttatcag gttcgatata tctatcacca ccgccttctt 240

atctcaattt ctgtgtttga tttttgcttt gttggtgttt gattttaccg cagattttga 300

tgaaaccaga tcgggtcttc ctctagatcc gttctaggtt ttctatttcc accgtcttat 360

cattatcatc atcatcaatt catcatcatc atcaataatc cagatgctca acaaattcgt 420

cattcataga catgtctcgg ttctgaaaga cgattcgatt caaattcgcg aagtctggaa 480

cgataacctt caagaaagaa atgnt 505

<210> 13842
<211> 423

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-F6

<400> 13842

gcaaattccc tcattacctc aatcgaagtc tcttcatcac tggtgaaagt tatgctggcc 60

attatgttcc tcaactagct gagcttatga ttcagtacaa caagaagcac catttgttca 120

atctgagagg aattgctatt ggcaatccag ttttggagtt tgcgacagat ttcaactcgc 180

gagctgagta cttctggtct catggcttga tatcggattc gacttacaaa atgttcacat 240

cttactgtaa ttactcgcgc tatgtgagtg agtactatag agggtcaatg tctagtatgt 300

gctctaaggt gatgagtcaa gttagcactg agacnantcg atttgttgat aaatatgatg 360

tcactctcga tgtttgcatt cctccngtgc nacccatcaa agtantaagc ccaatcaatg 420

gga 423

<210> 13843
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-F7

<400> 13843

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caaatcccta ggtttttcaa tcacacccaa aacatttgta gagccccaag tactcaattt 120

cgcttattga tagagagaga gagagattga gaatcgcgat ttgattttat caatcgatgc 180

cgtgaaaatc tcgtaatcag attcaaaatt gaggatggtt agctgctacc gtaatccttg 240

cgtgaagatt gagaagaact aattttggtt tgtgagcaac tttcgaatca gctctgttag 300

atttgatttg aactttattt gaagatgggt tcggtgtgac anctcaaggg attgtaagcc 360

ggcggtggag atgcntataa ggncctccaa actcctaata aaactggtgg gtttaatccn 420

cttaaacccg ggaagttggt tgttgtc 447

<210> 13844
<211> 443

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-F8

<400> 13844

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ggttgcaaat gaggagtttc aacacattct tcgtgtgttg aatactaatg ttgatggtaa 120

gcagaagatt atgtttgccc ttacctctat caaaggtatt ggtaggcgat tggctaacat 180

tgtctgcaag aaggctgatg tcgacatgaa caaaagggct ggtgagttat ctgctgctga 240

gattgataac ctcatgacaa tcgttgcaaa cccacgtcag ttcaagatcc agactgggtt 300

cttgaacagg canaaggatt acaaagatgg caaagtatcc tcaagttgtc cccaatgctc 360

ctgacatgaa acctganaag atgatcttga acgtctcaaa gaagatnaga aaccaccgtg 420

gnttgangca atactggggc cnc 443

<210> 13845
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-G1

<400> 13845

cccatataat ggagtatatt atgaccctcc tgaggaggat aaatatgcgt tcaaacatcc 60

tcgtccaaag aaacccacat cgctgcgtat atatgaatca catgttggaa tgagtagtac 120

ggaaccaaag ataaatacat atgccaactt tagagatgat gtacttcccc gtataaaaaa 180

gctaggctat aatgctgtgc agataatggc cattcaagag catgcctact atgccagctt 240

tgggtatcat gtgacaaatt ttttcgcacc tagcagccgc tttggaacac ctgatgacct 300

taaatctttg atagacaana ctcatganct aagtctgggt tgttcctgat ggataattgt 360

gcacaagcca tgcatcaaaa aacacactgg gatnggcctg gacattgttt tgatgggtac 420

tggatgggca ataattccaa ctctggattn gc 452

<210> 13846
<211> 87

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-G10

<400> 13846

ttcncgttgc tgatntaaca ggttncactc aatggaccgt gttatccggt tcgtgattct 60

cttctcatgt tcttctctct gtcangc 87

<210> 13847
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-G2

<400> 13847

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cgtggtttcg caaccgccgc ttccgtacac gcctgccacc atgttagccg tcacctccgc 120

cttgatttcc atcttcgctc ttcccttaag aaactgcagc atttttctga tgatgcaaga 180

atgaagtttg caagatacca aagagtattt gtattcaatg gggctaattt tctcaagtct 240

agagttgata tccggttgtc ccaatcttcg ccatttgtat gtttctttaa tggtggagag 300

agtagattaa acctagangt ggtgaggaan gatnatcgaa ncccggagac ttccaaagag 360

aaacacaant tacggacgga gatggaccaa tgtccntcct tgccaataac gttataatgt 420

aaattgcaca aat 433

<210> 13848
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-G4

<400> 13848

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ggtaacaagg gtggagcatt cgacgatggt gtttttgatg gtgtgaagaa agtaattgtt 120

ggaaaagact tcaacaatgt aacttatatc aaggttgaat acgaaaagga cggaaaattc 180

gaaattcgtg aacacgggac taatcgcggg cagctaaaag agttttcagt ggattatccg 240

aatgaatata tcacagccgt tggtggaagc tacgacactg ttttcggtta cggatcagcg 300

ttgatcaagt cattactctt caaaacctct tatggaagaa cctctccaat ccttggtcac 360

acgacattac taagggaatc cagctgggaa agaattcatg ctcgagtcca aaatatggag 420

gaaagcntcn tgggttcca 439

<210> 13849
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-G6

<400> 13849

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tatacagtga ctgccatcaa tccttttctt gatgactcca ccccaaggga tcatgttttt 120

gttgatgagt ttgcttgtat aggctgcaaa aattgtgcca atgtggctcc agatatattt 180

caaattgagg aagactttgg tagagcaagg gcttgtaatc agcgtggcaa cccagatttg 240

gttcagcaag cagttgaaac atgcccggtt gattgtatcc atcagacttc tgctgcacag 300

ttgtcattgc ttgaagatga aatgcgaagg gttgaaagag tgaatgttgc tctgatgctt 360

tctggaatgg ggtcaggagc anttgatgtt ttcagaatgg caaatctcga tgggaaaaga 420

ggcaancaaa antttgaatc aa 442

<210> 13850
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-E3

<400> 13850

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aagccctttc tttccttctg cagcttanct aactccactg cgccgttccg ggattcgttg 120

agagcaaaat ccgatggatt ggctcgggcc tatgttaccg gagcgccgcc tatcgtggaa 180

gaaccagacc caaagattga agaatccaaa tctgaggctg aatcgaagga tttaattagt 240

tgggggcttc tgtggagctt gatgagcaag cacaaagctc aaggctcaag ttgttttgct 300

aantggactc ctccctttgg attgcaagtt acttngcaac tcctcctncn aatggccctg 360

ggtttttttt ccnggggtaa aaantccctt ttgaaannтt accggnaatt tgggggggttt 420

aanaaaccng ggaancccсn tttttgtttg gccggggntt ggcttgaaaa ccaaaaaaan 480

ttt 483

<210> 13851
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-B8

<400> 13851

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acgcgtccgc atctctcgct tgacctacaa cacccgattc tctaatcgaa accgtttctc 120

tctttttgat cagatctcag atctttccct ctttgattcn tcttccttag atcgattngc 180

tcnanaaaca acaatggcgt ctgggcgtga agagttcgta tanatggcta agctcgcgga 240

gcaagcggag aggtacgant agatggtaga gtttatggag aaagtctccg ccgccgttga 300

tggcgatgaa ctcanngtag aagagcgaaa tcttctctcc gtcgcttata agaatgtgat 360

tggtgctcgc cgtgcctcgt ggcgtatcat ttcatcgatc naacaagaag gaanagagnc 420

gtggtaanga tgaccacgtc acgggngatc cgtgaatata gggccaaaga tngagacgga 480

antctccngg gaatctgcga agggaatcct taagttg 517

<210> 13852
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-B9

<400> 13852

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gatctacttg agggatcatg gagaggacaa ttttgcaatt gtgtttgcaa gctatggggt 120

gtgaacatgg agacagctca gttcttcaag cgagattttg aagaaaatgg atcaatggag 180

agagttactc ttttcctgaa cctggccaat gacccaacca ttgagagaat catcactcct 240

cgaattgccc tcacaacagc tgaatatctg gcttatgaat gtgggaaaca cgtccttgtt 300

atattgacgg atatgagttc ttatgctgat gctcctcgtg aaggttccgc tgccccaaaa 360

aaaggtcccg gaagacgtgg atatccaagt ttatatgtac actgatcctg caactaatta 420

tgaacgtncc gggcgtataa aaaga 445

<210> 13853
<211> 74
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-C10

<400> 13853

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ctcgatgtgg ttta 74

<210> 13854
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-C12

<400> 13854

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tctgtgaaga gttatgatgc cgaaagctgc gtgggaacca gaataccaca gagtatttgt 120

ggacttatgc gtcgagcaaa agatgttagg gaatcaacct ggaacgcagc atatattgaa 180

acctttttcta caaagaactg gcgctaggtt caccagaaac cagcttaaga atcactggga 240

tacaatgatc aagcagtgga agatttggtg tagacttgtt caatgcagtg atatgcaatg 300

ggatcctcag actaacactt ttggtgctaa tgatcaagac tgggccaact atttacatgt 360

gaatcctgag gctgggcagt atcggttgaa tcctccatcc gttcctcgag aaacttgagc 420

ttatctttga agatagtaac ttanatgatg aangtacttc angtagcaaa aggaaacgaa 480

taaccaacat cntgatgaag a 501

<210> 13855
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-C2

<400> 13855

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gtggtggtgg taacagagtg gaggcggntc agtggcttgt aacatcggag aagcttctag 120

cgtctagtga tcttcaagga ncaaagacat ttgcgatccg cgcatgcgaa gctgacccga 180

cccgagcaga agctgcagac tacatcctcg caatctgcga cattcttctc gccggagaga 240

ctcgtttagg tgattccaac ttgccagact ggtacgccgt tctccgactc ggtcgtttag 300

ctcaaaaccc tgaacacgtc gcgactcagt accgtagact cgctcttctc ctcaatcctt 360

ccgttaatcg tctcccattc gccgatngaa ctcttaaaat cctctccgat gccttggtcg 420

ttctctctga ttcgttcaag aaat 444

<210> 13856
<211> 589
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-C3

<400> 13856

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agagtcactg gtgctagcag cagtagacga agcagtcaga ccaaatccaa ggctgctcct 120

actcccatcg ataccaaggc ctctaccaaa cgccgaaccg gctccatccc ctgcggcaag 180

cgtaccgatt ttggctactc caaagacttc cacgatcact acaccatcgg caagttgctc 240

ggccatggtc aattcggcta cacctacgtc gccatccaca gacccaatgg agatcgcgtc 300

gccgtcaaaa gactcgataa gtctaagatg gttcttccta ttgctgttga aggatgtcaa 360

gccgttgang gttcaagatt ccntaantgg ctcctcctcc tgggncaacg aagaaatggt 420

tgggttcaag ttttttcaacn aatggcccct ttttgaaggg aattnaaccn aanttaaccg 480

ttccaaaaaa attgggttta attgggaant tntnaagttc ccccccnttt tcccctccna 540

aatttttcccc ttaaaaaaag ttncccaaan cccccntttc caaaagggg 589

<210> 13857
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-C7

<400> 13857

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ttgttttctt caaaaaagac atatttttt tgctgggact atcaattggg gtccgtcgcc 120

acgccacgcg ccgagctcgc aatatatcga aagcaacgat ctaggaagga tcttaaaaat 180

cctacttggc cacaaatttt tgctattttt attattttcc gtgtttaatt tctgattcag 240

acaggaagat taatattaag cactagttgt gcaaattcac aatttttttt tgtggatgga 300

aacaaatttc tggcacacgt atccaatcca aatcgacaat ataagcgtcc nctgatggga 360

aagttttggn ttcaattgag aaacaganat tgatttnggt ttccttaatc aanggggggg 420

cccttaagaa nanacgtaac aa 442

<210> 13858
<211> 54
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-C9

<400> 13858

aaaaaacaaa cccctggttt tttaaaaggg gggaaaacac cnttcntttt aaaa 54

<210> 13859
<211> 188
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-D10

<400> 13859

tcacgncccg gttttcttca tttcatcttt actnctatct ctagagcttn actctcgact 60

acattttcgt cgngtcatat cacaatcgag tacaagtcgc ttatcactca agtcgacttg 120

agcgcgactc atcncgagtc nctggtatcg tngctcatga tcagtttcgc ngtcgacgga 180

gtnaatat 188

<210> 13860
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-D11

<400> 13860

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gnnntnanac aaagctcgaa aaactcatag gttgtggtga gctaaattat gctatggaaa 120

ccggtgatgt aactctggaa gcaactctac ggaagatatc atcctctctt gangatgtgg 180

tcnaagttcc tgactccccc gangagagtt atatttcttc ttccanaaga actggattag 240

catgcatatc tgctcangaa aatgggtcan atgatgagat tacacatgat gaacaagtgg 300

caacttggtc tgctataant aaaggatcca ngtcactaat ccatttgaat ggtgttgctt 360

caatcgcatc atcccatcta tctggcttca nancca 396

<210> 13861
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-D2

<400> 13861

gatttcaagg tttagggttt ctgcaattca accatggcag agcagacgga gaaggcgttt 60

cttaagcaac caaaagtttt cttaagctcg aagaaatctg gtaagggaaa gaggcctggt 120

aaaggaggta atcgtttctg gaagaacatt ggccttggtt tcaaaactcc aagagaggct 180

attgaaggaa catacattga ccagaaatgt ccctttactg gtacggtttc aatcaggggt 240

cgcatcttgt ctggaacttg tcacagtgca aagatgcaga ggacgatcat tgttcgtang 300

gactatcttc attttgtgaa gaagtatcga aagatatgan aaaagacact caaacattcc 360

tgctcatgtt tccccgtgct tcccgtgtca aagaaggaga tcgtgttacc antgggcaat 420

gcangccaat tgtcaaagac ggtgaggt 448

<210> 13862
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-D4

<400> 13862

ttttttttt ttttttcct atcatctctg agagttttct cgagaaactt ttgagtgttt 60

agctactaga ttctgaatta cgaatcatgg aaggaattga tcacctcgcc gatgagagaa 120

acaaagcaga gttcgacgtt gaggatatga agatcgtctg ggctggttcc cgccacgctt 180

ttgaggtttc cgatcgaatt gcccgccttg tcgccagcga tccggtattt gagaaaagca 240

atcgagctcg gttgagtagg aangagctgt ttaagagtac gttgagaaaa tgtgcccatg 300

cgtttaaaag gattatcgag cttcgtctca atgaggaaga agcangaaga ttgaggcact 360

ttatcgacca acctgcctaa gtggatttgc actggggaaa gtttgtgcct gctattaaag 420

ggcaaggtac anaggaacag caaa 444

<210> 13863
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-D5

<400> 13863

acttattttc tcttgccctc ttttcttttt ccttttgaat atttctgggt tactaatatt 60

taatttgttg gttcttcggt ttctccgact ctttcccctt gaacctagct taacagaaaa 120

tcaaagagag aggaaaaatg agtggaggtg gtggagaaat ggaagagaga ctgttaaatg 180

ggtcagagac agaacaaagg agagagagtc tctacttgag aaaaaaagat ttggagtgaa 240

gtaaggaaga tgtggagaat agctttacca tcaactttgt tcagagttat gtcgtttgga 300

tgcgtagtgg tggctcaagc cttcattggg cactccagtg aaacggggtc ccgctgctta 360

tgctccccnt caaagcactt catccgcntc anccnacggt ataaggnaag gtagtcaatg 420

cnaagagaac ttatgtgg 438

<210> 13864
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-D6

<400> 13864

attctctact ctaaaactcc ttgtgaagac tatgttgaag ctgctgttaa acaggcaatg 60

acgattcaca taacaagccc acctggggac attctcattt ttatgaccgg gcaagatgag 120

attgaggcag cgtgcttttc actaaaggag agaatggaac agctcgtatc atcttccagt 180

agagaaataa cgaacctact cattctccca atatactctc agttacctgc tgacttgcaa 240

gcaaagatat tccagaaacc agaagatgga gcccgtaaat gcattgttgc caccantatt 300

gctgaaacat cattgacagt cgatggaata tattatgtga ttgacactgg gtatggaaag 360

atgaaaggtt tcaatcctag aatgggtatg ggatgctcct caagtttccc cataagtcgt 420

gcagcctctg atnagcgtgc t 441

<210> 13865
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-D7

<400> 13865

ggtgtttacg aaagttcttg aaatttgaag agatctcaca gatgagaagt gctataggaa 60

gaagattctc aaaccctaat ggcttcacca ttgcatcctt agtcaaacaa actccatttc 120

tcacccaatc cacatctcat ttctcctctt cctccgactc ctccggccgt ggtcgtggac 180

gcggttccgg tgaagatgga ggatttcccg ccgctggaag aggacaattc ggtgtaaatc 240

gtgaaccggt ggttcctgga cgtgaaccgt catctgccgg aggttatggt catggtcgtg 300

gtcgtccgat tcaaatctga ttcgatttct cctgcgttta acgtcaattg gtcaaaatca 360

anattcnccc naattantgg gccgttggna aaaaggattc gttnggttta naaaaccggt 420

tttnaccttt tcggctggcn gaaacctccc 450

<210> 13866
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-D8

<400> 13866

gctctttgct ctaccaagag gagtttgata agatgaaagc aaaggccccc gagaacttca 60

gggtggatta cgcgataagc agagaacaag cgaacgataa aggagagaaa atgtatatcc 120

agactcggat ggcgcaatac gcagctgagt tatgggagtt gttgaagaaa gacaacactt 180

ttgtttacat gtgtggactc aagggaatgg agaaaggaat tgatgacatt atggtctcat 240

tggctgcaaa tgacggtatt gactggtttg attacaagaa gcagttgaag aaggcagagc 300

aatggaacgt tgaagtctac tgatnaaaaa gcctttgaca tttctgtagc aaagtataac 360

tgaacaaaac tgttaatttc cgcntccgaa attcctgtaa tttgaaagat aagtttttag 420

ataagttata ctaaaaaaa 439

<210> 13867
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-B7

<400> 13867

ggggtgttac tcgatgactt attggttgct gaagatcttg ctgctgcgga aacaacatat 60

gctgcttctc atgctgctgc agctgcggca acaaattctc caccaggtcg attacctgga 120

aggtatggtt tttcagatga aaggaacagg gagttatctg aatcagctgc tgatggcgct 180

gtggtgctgg gaagccctgt tgcacccccc gtaaatggtg atatgcatac tgatattagc 240

cctgaaaatg cattacttcc aggaactcgg agaacgaata agggtgtgga gtatcttgtt 300

gaagcatcag cagcggaagc tgaggcgatc agtgcgacnt tggctgctgc caaaggcaag 360

acaagtcaat ggtgaaattt naactccctg ataaggaatt gtggtgcaaa aggctacaac 420

caantgggaa acctacattt tcc 443

<210> 13868
<211> 772
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-H8

<400> 13868

cggccgnnnn naanaaaaan nnnccggccc ccacgcgtnn ggaaaaaaga ttcatcctta 60

tgatctgaga tcaatccaag aaatatccac ttcagacaac tgttgtcctc ggatctgttt 120

ttcagacaaa agtggagctc aaaacggaga caaatcttca atctttgact ccttgcagaa 180

ccagttatgg caagagaaga gcaaaacatt gaaaacagag gatccgtaca tgtggtcgaa 240

agagaaagta atttacgtag tgtggtgtgt ggtcctgtgc ggtggctaaa gatgttggcg 300

tcaaagcttc actggagcta tgtgtttgct gtggtctcca attgtggaat aaaccaaggg 360

tttggttact cattgggtca tgtagctaca gattattaca tgaaagatgt tcaaaagggt 420

caaccctcct caatatcaag ctcctctctg caatcactag gattcatggt naatattaag 480

ccccttttgg gatcccacng aggtctccca ccttggttcc aaaactcctt actcatttta 540

cagggtattg gatggntcct tgtggttaaa cactcaaata accaaacctt actggaacgg 600

tttgggtgac attcaagtcc gcaatggnaa aaccgattta nattgagcct ggacaactta 660

aanngtaaaa aaaaccttcc ctgaaccgga nnccaantta agtgttaanc atcccantgg 720

gaattctngg gtccttanaa gggnnccnan naacctttgg ccanggggnt tg 772

<210> 13869
<211> 143
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-H9

<400> 13869

cctaccgatt gggttcaagg ggaccnttaa tgagaccgtt cccaaacaaa ctgaacaant 60

tcaaaatggg aaccgcctca aggattcccc ctaagggttt gggtgcccan tcccntgcat 120

ccaaatccaa antttccnaa aca 143

<210> 13870
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-A1

<400> 13870

tcaccttcta cggtttgttc aagagaagtc ttgggaaaat gagtcgtgga ngtgcagctg 60

ttgccaaggg aaagaagaag ggagtttcct tcaccattga ttgttcaaag cctgtcgatg 120

acaanatcat ggagattgct tcccttgaga agtttcttca ggagaggatc aaggtcggtg 180

gcaaagctgg tgcacttggt gattctgtca caatcacacg tgagaagagc aagatcactg 240

tcactgcaga tggccaattc tccaagaggt atttgaagta cttgacaaag aagtacctga 300

agaagcacaa tgtaagggat tggctcagag ttgattgcag caaacaagga ccgtaacctc 360

taagaatttg anggtacttc aacattgctg agaacnaaag gaaaaggang aagactanac 420

ctcaagatcc antttgggt taanaat 447

<210> 13871
<211> 60
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-A10

<400> 13871

tcanctntct atattggtac aggatcatat ggaacatgga ttcatgtgcg tgttgagnat 60

<210> 13872
<211> 246
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-A11

<400> 13872

gnggcnacta ttatgctttt tccaaaagga ncaactacca ctggagacta nttacttaca 60

ttcannacag gtgcattttt ggctggaact ncagttcttc cggtaatatt aaantatccg 120

tatgagcgct tcagtgtggc atgggatacc atatccgggg cacgccacat tttattcctt 180

ctctgtcaag tcgtanatca cttggnantc atacggttac ctgtatacta cccatcccaa 240

ngaaga 246

<210> 13873
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-A2

<400> 13873

gataaattga cttctgttac tgagtttgat atgagcaaca ataaccttgg aggcgatttg 60

ccttatcagc ttcctccaaa cttggagcga ttgaatcttg ctaataacca gttcactgga 120

tctgctcaat attccatttc tatgatggct cctcttaagt acctcaacct tgctcacaac 180

cagttgaagc agctagctat tgacttcaca aaactcacct ctctctctat attggacctc 240

tcttccaatg ctttatangg tctctccaaa cacttgtagc tctcttacga gtgcaaaaat 300

caatttatcn tccagaacaa tcaanttctc aaggcacaan ttgataattc caaacccaac 360

ccnttcctcc tcgnaaaaat ctggaataat tgccaaaana aatccgggtt tcacaanggg 420

ctgggganttn cctggnnttc cctttggaaa aagggaattt aaactttngc anaaaaagga 480

atggg 485

<210> 13874
<211> 521
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-A3

<400> 13874

nnnnnnngaa angttnnntt gccnggccnt acaatccaan attcncgggt ccaccncncg 60

tgaggggaga tctttcagag tactgggttt caaccagagt caaagggcca tttttgtaca 120

gactttgatg aggtatggag ctggcaattt tgattggaag gagtttgttc ctcgcttaaa 180

gcagaagacc tttgaagaaa taaatgaata tggaatactc ttcttgaagc acattgctga 240

agaaatagac gagaattctc caacctttтc agatggtgtg cccaaggaag gacttagaat 300

agaagatgtt ctagtcagaa ttgctcttct gatactagtt caggagaagg tgaaatttgt 360

agaagatcat ccagggaaac ctgtttcccc ctctcgcatt cttgaaagat tccccnggac 420

tgaagaaatt ggaaaaaatt tggaanggag ggaacattac aagattaatg gataccntgc 480

cggttttaaa anccatgggg taacggaccg gtgggcaanc c 521

<210> 13875
<211> 369
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-A5

<400> 13875

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ttccttttgg actctgacca gacaaatgct agaccaggca tgcttggttc gcagttcgca 120

aatcgttatt gtctgtggtt acaaaagaga actaagaagc aacaattttt attcaatatc 180

tcagtttctt taaatagtat atccgatgat ctttaagctc tccttcactc gtttctttat 240

aagtactgca attaaagang gggagaaaga tgctgttttt gggagtttga aagaagtcac 300

tcaanggact tcctgggggn caagctgtcc aactggggtt actanaaagg aactgganan 360

aagttnnnt 369

<210> 13876
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-A6

<400> 13876

nggnnnngga agtgtttgtt tagccggncc gtaccgaacc anaaattcnc gggtcnaccc 60

acgcgtccga natttctctc cactcagatt tccaattcct aaagatagag agaatgacta 120

aaatctctgt tggattgcaa cttgtgacaa gagattcgag ggaaaaacta aacaatatag 180

tgatcaaatc ttcactgaga ctaaaccgat ccaatccaaa catcncggag ctttgtttcc 240

ttaaaacatg tcatctctgc aatanacaac tccatcaaga naaagatgtt tacatgtaca 300

naggagattt gggattttgt agtagagagt gcagagaaag tcagatgttg attgatgata 360

naaaagaact anaggcttcg acgaagatga tgttggnttc gtaaagncga tgtaataacc 420

ggcgccggaa aaagcgantc ccgggaattt gtttgatgat ttccgggcga ngaattcaat 480

tatttanagt tccttgaggc ttctttaagc aatat 515

<210> 13877
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-A7

<400> 13877

nngtnnnngn aantgtttct gtttgcccng ggcccngtnn caaanccana aattnccggg 60

tcnacccacg cgtccgcnca cgcgtccgat tatagcctca tgcttctact acgtcgccac 120

caattacttc tctctcctcc ctcagcctct ctcttacttg gcttggccac tctattgggc 180

ctgtcaaggc tgtgtcctaa ctggtatctg ggtcatagcc cacgaatgcg gtcaccacgc 240

attcagcgac taccaatggc tggatgacac agttggtctt atcttccatt ccttcctcct 300

cgtcccttac ttctcctgga agtatagtca tcgccgtcac cattccaaca ctggatccct 360

cgaaagagat gaagtatttg tcccaaagca gaantcagca atcaagtggt acgggaaata 420

cntcagnaac cctcttggnc gcatcatgat gttanccgtc aantttgtcc tcgggttggc 480

ccttgttnct tagctttaan gtctctggga gacngttttg 520

<210> 13878
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-B12

<400> 13878

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gcaaaagctt gaattgatta tggaagacga cgatcagcag aaggctgcag atctagtaca 120

agagcttgtt cttcgtctcg tctcacaaaa ccctcaaacc cctaatctcg atcccaattc 180

tcccgccttc ctcaaaaccc ttcgttacgc ttttcgtatc ctctctagtc gtcttactcc 240

ttccgtcctc cctgacgcca ccgctatcgc tgagtctctc aaacgccgtc tcgctactca 300

gggtaagtcc tccgacgcac tcgcttttgc cgatctctac actaagttcg cttccaaaac 360

tggacctggc agtgtcaata acaaatgggc tcttgtttaa ttgcttaaaa ttgtttctga 420

cgatngtaaa tcggctataa atggc 445

<210> 13879
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-B2

<400> 13879

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ggtgccgcct accgccgccg cttgccgtac gaaacccttt ctcatctcct cttcctttcc 120

caagcagaca aagaaactcc atctctcttc gccttctctg tctctaccat catcacattt 180

ctcctcctct ttcaaaaccg cagctacctc catcgagcaa cagtcttctg ttaacaaggg 240

agagagcacc aagtaccatt tcctgggtag caaacgctaa attcatgctt gacgaagagg 300

agcacttcca ggagcaattg tttgaacgtc tccgttactt cggtgagcgt gaattaatgc 360

aagacttctg gcttgtcatt gagcctaaaa ttccntgaca attttcccaa aattactcaa 420

agacttcgtc gtcctgctgt tgctct 446

<210> 13880
<211> 242
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-B4

<400> 13880

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tcccaagaaa tcgaatcctg agtagcagac aaatgaggaa cgtcgtgtgt gaccgagttt 120

ctccaaggag gaagaccacc attacctcgt aaatagttac cagatctagt cctaagctta 180

atcttagacc cttctctaag cggttcccac tcaacagacg aatcaacncg anncngttnc 240

aa 242

<210> 13881
<211> 235
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-B5

<400> 13881

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gaatccgntg atgacatggg tttcagtttg ttcgagtaat gcggtatact tggcatttgg 120

ttttgctgta ccctttcgaa atctttatgt cgttgtttag tttgttgtat tcgactatct 180

tcttagactt tgctgaaatt ctcaagagat ttttttactc anaaaaaaan natna 235

<210> 13882
<211> 522
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-B6

<400> 13882

ngnnntggaa gtgttttgtt tagccctgnc cgtaccgana ccanaaattc gcnggtccac 60

ccacgcgncc gcanggaaac tcccttgtcc tcaaacctcc aactcaagga gctgtttctt 120

gccttcacat ggtacattgc tttcacttag ccggtttccc aaaaggtctt atcagctgca 180

tcaccggaaa aggatctgag atcggcgatt tcctcactat gcaccctgct gttaactgca 240

ttagtttcac gggtggtgat accggaatct caatctcaaa gaaagctggt atgatccctc 300

ttcaaatgga acttggaggt aaagatgcat gcattgttct agatgatgct gatcttgatt 360

tagttgcttc caatatcatc aaaggaggat tctcttacag cgggnaaana tgcactgcgg 420

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agctnaagtg gccaaaactc aaggtgggac cgcccgaaaa ng 522

<210> 13883
<211> 782
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-H7

<400> 13883

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aatggtcaga aaggcagaga aacctcttcc aacacaaaga agaggaaaag aaatgggcag 120

aagaactctg aagcagctca atcacacaga tcccagcagt ctgaggaaga accagacaac 180

aatggtgatg aaaagcgcaa tgatgagcaa agtccaaatt cacctggaaa gaagtcaaac 240

agtgggaaac aacagggcaa acaaagttct gatcctccaa aagatggata tattcatgta 300

cgggcacgaa gaggccaggc cacaaatagc catagtcttg cagaaagagt taggagagaa 360

aaaattagtg aaaggatgaa gtttcttcaa gattctaata ccggggttgc aacaaggtga 420

ctggggaaag gaanttatgc cttgacgaaa atcataaaac tacgtncaat cactacaacg 480

ccaagttgag tttttatcga tgaaacttgc aactggtgaa cccacaaatg gacntttaac 540

cttgaaggcc tccttgcaaa agatgcactt caactacnaa cctgggtctt cacctanaac 600

aacaattccc accaatttgt caatngggtt aaccncccccc aacccaangg gttcatnnaa 660

aaaanccttt ccacnntgga agggccatta cnccccattg gccccaagaa agggggggttc 720

aaccnangga aaaaanggtg ggangggggtt tccaaangtn tccattaann ngggncnggg 780

gg 782

<210> 13884
<211> 716
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-B8

<400> 13884

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cgccgcatct cgaaccttta ctcgagagtt aagcaacgaa ggccatggct gccaccagga 120

gacgcgaccc ttttcaattc tcgccggaat tgggattccc atctgtttgt ttacgcttcc 180

tcttcttcnt ctccgtcgtc gtcgcctccg tctccaaatt caccgacgga tgatctcacg 240

gcagagttgt gcgtcaatac tgggtcttga tctctttaag anaggacggg tgaaagatgc 300

tcttgttcaa tttgaaactg cactgagttt ggctccaaat cctantgant cacaagctgc 360

ttactataac aaagcatgtt gtcatgccta ccggggcgaa tgaaaaaaag ctgtggattg 420

cctgcgaaan tgcgttgana aaatataatc cgaaatttgc cacgaatcct aaagattctg 480

aattaacatc ctttcgcnca ataacccgag tttaaaggag ctgcaagaaa aaggcaaggt 540

taaggcnggg aaanatattg gcaataaatt tccgggaaaa tttgaaactn accatttaaa 600

ttcgaacacg ntttcggggn gttanaaaat cctttatttg catttnnncn acaacgggta 660

accaaagttc tttnngtccn anangggtaa gnaattaang ggggnanggg gccaaa 716

<210> 13885
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-C10

<400> 13885

ggcgcctcag cttctctcct ccagtaactt caaatctctc tttgactctg tcgatacctt 60

cctcttcgac tgcgatggtg ttatatggaa gggtgaaacg ctcatcgatg gcgtctccca 120

aactctcgac cttatccgtt ctaagggtaa aaatgttgtc tttgtgacca acaattccgt 180

aaaatcnagg aggcaatacg ctgaaaagtt ccgatctttg ggtgtcactt ctattactca 240

cgatgagatc ttctcttcgt catttgcggc agctatgtat ctcaaagtca ataactttcc 300

taaggacaag aagnttatgt gattggtgga gaaggtgttc ttgaagaact gcanattgcc 360

ggttttacaa tgtcntggtg gtcctgaaag atggtgaatn agaatgnaca atggaaatc 419

<210> 13886
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-C11

<400> 13886

ngnngnnnng gnaactgtnt actncggccg gccacggtcc anaaatnccc gggtcnaccc 60

acgcgtccgt nagaaaccaa gaagcatgga tcgtgtggtc ttcttcttcc tcatcgcagc 120

tacgttacta agcaggttct ctcggatcta ccgtcatctc cggcgaggtt accgacggtt 180

tcgttaancc gatnaggcaa gtcgtcccgg aggagaacga tgaacaactc ctcaacgcag 240

aacatcactt cactctattc aaatccaagt acganaagac ttangcgact caggtagagc 300

acgatcatcg gttccgtgtc ttcaaagcta acctaagacg agctangcgt aaccagcttc 360

tanatccgtc tgccgtccac ggcgtcacgc agttcccaag atnttaaccc gaaagaattc 420

cgccgcaagt ttttaaagac tgaaacgccn anggtttcgt cctcccactg atactcagac 480

ggcgcctaat cctccgacta ccgattttcc gag 513

<210> 13887
<211> 797
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-C2

<400> 13887

gntnnngaac gtcatttgna cgcccggtcc ganaanaacg ggnccancac gcgtccggat 60

canctcatct acattcctct tcctgatgag gagtctcgtt accagatctt taagtcttgc 120

ttgaggaaat cacctgtggc gaaagatgtt gacctgaggg ctcttgctaa gtacacccaa 180

ggcttcagtg gtgcggacat cacagagatt tgccagcgtt cttgcaagta tgcgatcaga 240

gaaaacatcg agaaggatat tgagaaggag aggaagagag cagagtcgcc agaagcaatg 300

gaagaggatg aggaggagat tgcagagatt aaagctggtc actttgagga atccatgaaa 360

tacgctagga gatnagtgag tgatgcagac attcgcaagt atcangcttt tgctcanact 420

ctccagcaat cacgtgggtt tgggaagcca agttcaagtt tccagatgcg ccgacaagga 480

ctactggagc tttccctgga gctgctgcca caattggggg gaattcaacc cgttttgcca 540

aatcccggan ggancaaccg gattgaataa tgattctccn anaagtttta aaaaggtcct 600

gaatttaaga acccctggtt gaactaactc cncccctttaa ancccctta aacctttgg 660

gttcccngcc nttnnaaaaa aaaacttttt ccnaaatggg gnccctttg gttnggggg 720

tttttnaaat tttaaaaaaa antncccntt tttggnnaaa aaaaaaancc ccntttngan 780

aaaaanccct nnaaaaa 797

<210> 13888
<211> 756
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-C3

<400> 13888

nnnnnnnngn aantgtnatt ctgcacgtcg cggtccgaca atncccgggn ccacccacgc 60

gtccggnaga agaaggataa ggatgataac ggtaagcgaa gtttcctctt actcttcttc 120

ttcttcaaac ttcgcgtctc tgtctcgtct caatcacaaa tcatcttcga gattgcgaag 180

ctcttctctt tacaaaggaa gcttcttctc tgtttcgaca aagaccagga ggaacacttg 240

taaagccaaa tcatggaatc tcggtcttgt tatcaactct agaagctctg aggcttcggt 300

ttttgatccg ttggggatca atccagatga aacttctggt ttaagtagca tttgggaaag 360

ctttgtgagt cttttgtcac catcatttga aagctcttcc ggtaacaggc gagataagcc 420

gtcttctggt agaagcgtgg caactgctat tgangacagt tccaatgatt ttggagaatt 480

cctcaaaagg ggcaattgcc aaggaaattt ctgaaacntc ctggggtttt aactcccccc 540

ncggcttgga anttacatan caatccggcg ggggttaacc caaaaacctt tggttnggaa 600

anttgggtta anaataacaa tttttagcaa cntttggnna anaattttcc ngggggggan 660

ggnaaaaagt taaaactttg ggaaaaagtt tnncccngg aattgttncc ttttaanaaa 720

ancccaaaat tgggntttaa actttctggg cnaaat 756

<210> 13889
<211> 870
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-C4

<400> 13889

nnnntnnngg aactgtcnct tctgccgccc gtgtccgaca atanacgggn ccacccacgc 60

gtccgccnac gcgtccgcaa gcagtaaaaa gatccaggag acatgttgaa gaagagccaa 120

caatggtaga acctaaaacc aagtacgatc gtcagctcag gatttggggg gaggtaggtc 180

aagcggcctt ggaagaagcg agtatctgtt tactcaattg tggccctact ggttccgagg 240

ctttgaagaa tctcgtactt ggtggtgttg gtagcatcac cgttgttgat ggatctaagg 300

ttcaatttgg tgaccttggg aacaatttca tgtcgatgcg aagagtgttg gccaatcaaa 360

agccaaatct gtttgtgcgt ttctccaaga gcttaatgat tctgttaacg ccaagtttat 420

tgaggagaat ccagacacgt tgattactac taacccatcc tttcctctct cagttcaact 480

ccccgttata accactcagc tggtgggaaa gaatcaatgt tgaaaacttg ataanaatcc 540

gtccaagatg caaaacntta aatttggttt tgggtccncn cctaaanggc cctngccngg 600

ggtttggttc ccaaccnccn gttaaaggag ccacccccat aaattgacnc caaaaacctg 660

gatnnatttt ccttgaanaa acttccgccc tgaaataaan ccaagggcct gnaaacccaa 720

aannttttg tgggaaaacc aattgntttg naaagttnnc aaaanccggg cccctnnana 780

aaaacccaan accttaagtt cgccatncct gttaaaaatg cctaaganat tggcccaanc 840

cccaannggg aacctcccca accnggggaa 870

<210> 13890
<211> 681
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-C8

<400> 13890

tctgccatgg atattcagcg caacgtagct tcttcttctg gcatgatgag tcgcaacatg 60

aatgagtaat attttaatca gatttcgtta attttctcaa ctttcatttt aatatatatt 120

acagcaactc acaccaggtt ggtttgatca ggatgcaaat ggaagtgcag agaaggttgc 180

atgaacagct agaggtgcaa agacatctgc aactgaggat tgaagcacaa ggaaagtaca 240

tgcaatctat cttggagaga gcttgccaaa ccctagccgg tgagaacatg gcagccgcca 300

ccgcagcagc cgccgtcgga ggaggataca agggtaatct gggaagttcg agtctttcag 360

cagcggtggg cccacctcct catcctctta gtttcccgcc gtttcaagac ctaaacatcc 420

tatgggaaac acaaccgaac aagtcctcga acatcacaac ttccatcatc caaaacatag 480

agaaccantt ccacgggtaa caatgctgca gacaccaaca tttacnttgg ggaaanaaac 540

cgacctaaan cctaaatttt gggaaccaat nttanggaaa gggncaattg angttggccg 600

gatttaagat ttncgattnt tttccgcaaa accaaaccna tttnangnnn nacccnttna 660

anttccngnt cccnanngggg g 681

<210> 13891
<211> 880
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-D1

<400> 13891

gnnnnnggaa ntgtnatncg nacgccgcgg tccanaatac ccgggnccan ccacgcgtcc 60

gaatttagct ccttgaaggc tcataacgca taaagttctt ggcttcatcg ttttctctct 120

tgattaattt ggcattgtat atcttatgtc tgattgtgtg aaaaaaccac aaatgaaagg 180

agtttagaca caaatcacag tttaagacaa aattatagtc ttgtttcttt caaattatgc 240

aaaaaaatca agaatctgag acataagaga aacgtttatg tctctctctt ttaatcaatg 300

ctatgttgct tttctcaact gtttcaagcg ttattacatt actaagctaa aaatcttgat 360

gtcttgttct tatttttgca gtttctcctc ttgagctttg gaattgaagc taagataaga 420

aatttagaga gaaatgggat gttctcattc caagtttgat gacgatgaag ctgttcagat 480

ctgtaaagat aggaaacgtt tcatcaaaca agcagtggna cataaggact gggtttggct 540

tccgggtcac aattggctta aatccaagtc ccctgaagga aaggttcaaa aatggctcct 600

ccnggggaat aatatcccaa agggagaatn aagcccacaa tgaantttca aggtttgggn 660

caaaatgntg tcaantccca atttaaanaa aaaatggncc aannтcnang gggggnttcn 720

aattgggaaa aaacccccc cccttnnaaa aaaggggtcn aaantntngg gcaaaatccc 780

aaatttaagg tcaaaaantt tcntttangg gnaangggaa caaaacccgg tttnggttta 840

aaaaaacccc ccaanttacc gggnaatttt cgggggggna 880

<210> 13892
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-D10

<400> 13892

tctgataaaa aaaaaaacaa aaaaaaatga caaaggctta ttcaacacgt gtcctcacgt 60

ttctgatatt gatctcgcta atggcggtga cactgaacct ttttcccacg gtagaggcaa 120

anaagcggag tacagatgct cctatagtga aaggtctctc atggaacttt taccaagaaa 180

gcatgtccga aagtcgaaaa catcatcaag aaaagagctc aagaaagtct tcaagcgaga 240

tattggttta nccgctgcca tccttcgtat acatttccat gattgcttcg ttcagggatg 300

tgaancatca gtgctgctag ctggatcagc cagtggacca gnagaacaat catcaatccc 360

aaatctgaca ctacgacaac aaagccnttg tcgtcattaa taaccttcgt gnctcgtca 420

aaagaagtgc ggc 433

<210> 13893
<211> 690
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-B5

<400> 13893

aangtntntc tagnncgnnc gtancggaac agaattcgng ggnccaccca cgcgtnagca 60

cacgcgtccg ctttttctct cttattcttc tatcttcctc ctcctctatc tttcgctcga 120

gccattgagc aattatgtcg attccttgtc taaccgaaga gacagccaaa actgttcttc 180

gccaggtgga gttctatttc agtgatagta atctacccat tgatgatttc ctcaagaaga 240

ctgttacaga gagcgaagat ggcttggtga gtttggcgtt gatttgctcc tttagtaaga 300

tgagaggata tttgaagttg ggtgattcta aaggagatga tattcctgaa gataccatca 360

aagctgttgc tgatactctt cgaanctctt ctgctctcaa gatttctgac gatgggaaaa 420

aggttggtag gagtactgaa ttgttgaagc tggaagattt gattgagcaa cttaatgcta 480

anaacagtac ctgcgtcacc tttctcctan gaatgttaaa aggggaaaaa cgttggaaat 540

ccttttttcag tccnntaang ggaaagggtt aataattgtt nanggaatgc ctccgtcaag 600

gttggcaaaa attcnaagga aaantttttcn gggggttgcc cttgggttna antttcccca 660

aannaaanaa gggatncccc aaaaatggtt 690

<210> 13894
<211> 670
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-A3

<400> 13894

nnnnnnnnga antgtcnatt agntcgcncg tgtcgacncn aacgggncca nccacgcgtc 60

cgaaacggag gcagaatcac agtaccttaa tgtactctct gctttcctcg ccatcgaacc 120

ggtggactcc gtcatcactc tcgctagagg gtgcactgga ggatcaatta ctgagaacgc 180

ccagagattt ttctgggaaa tttgcgttga agctgctgcg aatggtaacg gatcatacgc 240

gaagaagtta ctgaagaaac tcataaatga agttgagtta gagaatggtg aagtattgga 300

tgaagtgtat gaagagtatg ctctttacat gttaacttct aaggaagata tattggtgaa 360

agaaaacata aggataacca aattcatttc ttttcttttc cctgaaggtt cgtacaaaca 420

cccgagttgt ccaaggtcga ggaaattagt tattccgctg caatgttccg ttgaacatgc 480

ttgaaaggag aataccgggt gttcaacctg ggcatccnag tccggttccc gtcaanaant 540

ttgttttggc catttcaana gtttantccc ccaataaaan cctggttttn aanggttggg 600

gtcctggaat tttggnaaag ggncnggaan tttgcccttg caaaattntt aaagggccaa 660

aanaagggtg 670

<210> 13895
<211> 781
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-A4

<400> 13895

nnnnnnnngn aactgtctac tctggtcgtc ccggtccgan aatncccggg tccacccacg 60

cgtccgaaaa gaggagctcg agaccttaca aggcaagaac cgcgaggaag ttggtgaatt 120

taccaagttt gagcgcattt acgactatga tgtgtacaac gatgttggtg accctgacaa 180

tgatcctgaa cttgctcgtc cggtaattgg aggcctcaca catccatatc caaggcgttg 240

caagaccggt cgaaaacctt gtgagactga cccctcttca gagcaacgct acgggggaga 300

gttctatgta ncaagagacg aggagttctc tacagccaag ggcacttcat tcacaggcaa 360

ggccgtactg gcaactcttc cctccatctt ccctcaaatt cgaattctgt tctantgaag 420

ttcccaaaga ancttttcca cacttcaagg gcatacaaaa tctccttgaa aaaagnattc 480

aacctcccaa aggatctggc ctccttaact ctgctcccca naatcatcaa agctcttggc 540

gaagctcaag atgataatcc nccagtttga tgccccaatt ccaataacan ggataaattt 600

caaggttaca anacaacaan tttgcccccc anaaacttgc cggccttaaa ccctaanncc 660

attcaccnan tttaaaaatt ggccnttaan aancaaactt aaanccggcc ctttaaaggg 720

gattccaact caanccatan cttgggaaan tnttgnaann aaantttaag ggaaacttnn 780

a 781

<210> 13896
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-A5

<400> 13896

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aacctccaca gacgccttca caaatgcacc tttaagaaga aggcaccgaa agccatcaag 120

gaaatcagga agttcgcaga gaaagctatg gggactaagg acgttagggt agacgtgaaa 180

ttgaacaagc acatctggag caagggaatc agaggtccac caaggaggat cagggttcgt 240

gttgcacgta atgagaaacg acgatgaana tgcgaaagga agagttcttc tcccttgtca 300

ctgttgctga aatccctgca gaaaggacca nttggtcctt ggnacaaang gccatcnaag 360

aaggnggatt aggagatcag tnnaacaant ttgtttggtt tttactttgg tgccgtgttc 420

aatanaatct gacttcattc tcattgtntc actgattnct atccttatga gnaccattct 480

ctaaa 485

<210> 13897
<211> 710
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-A6

<400> 13897

ctttatacgt ataataacat cccttgtgat caaacaagta aaccattcaa aagatgaaag 60

gaagaatttt gattttgagt ttgctcataa tgagtctggt catggcacaa gttcaagtan 120

aagcaaagat ctgctgccct tccaaccaag ctagaaatgg ctatagtgta tgccgtataa 180

ggttttccaa gggaaggtgt atgcaagtga gtggatgcca aaactctgat acatgccctc 240

gaggttgggt aaacgccatt ctcgaaaact cagctgatgc taccaatgag cactgcaagt 300

tagggtgtga aacttctgtg tgtggtgcca tgaacactct ccaagaactc tgatgcaagt 360

gaaattgtga atggancgtc ggaacaatgt gccaanggat gttccaattt cctgttacaa 420

agagctatgt tatcccaact ggggccgcct aaaactggtt gtaaanggtc ngtatangtt 480

gaaaaaaacc aaatggctaa gaactccctg gccaantccc ggggtttggn tgttgtngtt 540

gtggttnttn caaaggtngt ccntaaaaaa aggggtttgg tttccgaatt tacccaaaaa 600

attggtttna aatggcccct cccaaaattt ccccaaaaaa ancttaaaa nttnaaaggn 660

nnnttttaaa accgtttccg gtggnccccc ttttaaattg ggaaaaaaaa 710

<210> 13898
<211> 812
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-A7

<400> 13898

nnnnntnnng gnagtgtcna tttagntcgc ccggtaccgg aaccanaatt ccngngtcca 60

cccacgcgtc cgcngacgcg tggggttcga gctcatcccc gtcgatatga gagccggtgc 120

ccacaagcaa gaggcccacc ttgccctcaa ccccttcggt caaattcctg ctctcgagga 180

cggtgatttg acgcttttcg agtcaagagc catcacacag tacctagcag aggaatacag 240

tgagaaaggt gaaaagctta tctcccaaga ctgcaagaaa gtcaaggcaa ccactaacgt 300

atggcttcaa gttgaaggtc aacagtttga ccctaacgcc tctaagcttg ccttcgagcg 360

tgtctttaaa ggcatgttcg gcatgaccac tgaccctgcc gctgtccaag agctcgaagg 420

taagctccag aaagtcttgg atgtctacga agctangctc gccaaatctg agtttcttgg 480

ctggtgantc cttcactcct tgctgatctt caacaactcc caaccatcca attacttgtt 540

ggggtactga ctccaaaggt gctcctttga antcctcgcc ctaaagggtt tanccaaatt 600

gggnttaaag aaaganttte ctggccaaag gccctggcct ttggggccaa angggttaat 660

tggaccttcc aaaaaaancc antttnttga acccctccnc ccccttttcc nttnaaattt 720

tccttttttcc ctttttcccc tttttggncc ccaaaatttt aacnnaantt ccaanttgna 780

nttttnccnt tttccctngg ggnttaaang tt 812

<210> 13899
<211> 828
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-A8

<400> 13899

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ccacgcgtcn ggacagattt gattccattt ttattactgt tactatcatc caaacccttg 120

gtatttgtag ccatgagtct tgtttcagat ctcatcaacc ttaacctctc agactccact 180

gacaaaatca ttgctgaata catatgggtt ggtggttctg gaatggacat gagaagcaaa 240

gccaggactc tacctggacc agtgactgac ccttcgcagc taccaaagtg gaactatgat 300

ggttcaagca caggccaagc tcctggtgaa gacagtgaag tcatcttata ccctcaagcc 360

atattcaagg atcctttccg tagaggaaac aacattcttg tcatgtgcga tgcgtacact 420

cccgcgggtg aaccaatccc gactaacaaa agacacgctg cggctaaagt ccttagcaac 480

cctgatgttg cagctgaagt nccatggtat gggtnttgag caagaataca ctttactcca 540

gaaaagattt gaaattgcct gttggttggc caattggtgg ttancccngg cctcaaggga 600

ccgttcnaat gccggtattg gagcagacaa atctttggca nanaattttg ttgatcccat 660

aaaaggcctg cttatacccc ggattacatt antggcacaa nggaaaatca tnccgggtnc 720

atgggaattc cagtcggtca accgttggga atccggggcc nanaaatttg ggcncccgta 780

aattttggaa ggtnccnaaa tncnggnnng ggtcntttgc ccnaacct 828

<210> 13900
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-A9

<400> 13900

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ggaattccgg tttactctga gagacaatgg aatgcaagcg gcttttcagc tgcttcacat 120

ggtgcttgag cgtagtgtct ggttggaaga tgcatttgat cgagcaaggc agctatatct 180

ttcgtatttt cgatcaattc ctaaaagctt ggagcgtgcg actgctcata aacttatgat 240

cgctatgctg aacggtgatg agcgttttgt tgagccgaca cctaagtcac tacagagctt 300

gaatctagaa tctgtgaaag atgcggtcat gantcatttt gttggggaca atatggaggt 360

aagcattgtg ggggactttc acaagganga aatccaaacg ttgcatccnt gantaccttg 420

gnacaattta agctaaccat gaa 443

<210> 13901
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-B10

<400> 13901

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taccggcata tctgctttga agaatgttgc ttttgcttta acccctggag gttctttcta 120

tcttccaacc aatatacttc tcatagcttt cttcaactac tactacactt tcttgcaact 180

tgacccggac gacgtgagtg aacaattaaa acgccaaggt gcatcaatcc ctctagtccg 240

acctggtaaa agcactgctc tcttcatcaa aaccgtcctt ggccggatat cggttcttgg 300

ttctgcattt ctggctgttc tagctgctgg tcctgctgta ntcgaacaga tnactcactt 360

gacaacattc anaggatttg caagcacttc tgttccgatt cntgtcgggt gtgccacaaa 420

tactgcaaga a 431

<210> 13902
<211> 872
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-B4

<400> 13902

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aatctcctct tttccttgtc cttctctatc gcttctataa acttttttcga tctaaggttc 120

gtgatctcct tcttctctac gaagtttaca ctttttcttc aaaggaaaca atgagccagt 180

acaatcaacc tcccgttggt gttcctcctc ctcaaggtta tccaccggag ggatatccaa 240

aagatgctta tccaccacaa ggatatcctc ctcagggata tcctcagcaa ggctatccac 300

ctcagggata tcctcaacaa ggttatcctc agcaaggata tcctccaccg tacgcgcctc 360

aatatcctcc accaccgcag catcagcaac aacagagcaa tcctgggctt tctagaanga 420

tgtcttgctg ctctgtgttg ttgctgtctc ttggatgctt gcttctgaat ggagtctctc 480

tctctctgca taaaacttcg ggatttaatt gtaagaaggt tttggttaaa caaaaacctt 540

aantgatttg tgggggcatt aaaaatgaaa ccccccaaag aatccccttc cgtttaaagg 600

tgtaaaggtt cctccggttc aaaacaattt taaacaaatg gtccaacnaa antttcgggc 660

cctaaatttg ggnanttnga ntaangggga aanntnaaat tgggttnggg aaaaaccnnn 720

ttccaaggcc caaaatttta atggccttg ggnttttaa aaannaaaaa aaaaaaaggg 780

gggggccccc cccnaaaggg gtttnaacct ttanttnccc ntttaaagga aantttnaaa 840

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<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13903

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tctgaagctt taatttttc atacccatgg ctaatcgtta tgatccaaat cctttcgctg 180

aggaagaaga agtcaatcct ttcgctaatg ctagaggagt tccacctgcg tcgaattcga 240

gactttcgcc tttgcctcca gagcctgttg gtttcgatta tggtcgaacc gtagacattc 300

ctcttgacag agctggtaca caggatttga agaagaaaga gaaggaactc caagccaaag 360

aagctgagct aaaacgacga gagcaggacc tcaaacggaa agaagatgct gctgcacgag 420

ctgggaatcg ttattgaagt gaaaaactgg ccgcctttcc ttcccacttt atccaacaat 480

ggacattcgc aaaacgaaaa tttccgggtt caacctncca aaangaacta acaagttatg 540

gtttancctt ttgccaaacg gtaaattttg gggggnttng ggttnccntt tgggcccttt 600

ttcccgggga aataatcnaa tcccgcccgg ttttaacnaa caaagccttt ggggtttnaa 660

aaaggggana aaagggaatt ngaacnaata aanggggctt tccntgggcc cttnaaantt 720

ttaactttca aaaaanccgg ggtggnttcc caaggaangg gcnaaangtt gnttaagggg 780

gaatccgaac caaatcctaa acgggtgccc tttaanaaac nggaaaantg caatt 835

<210> 13904
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-G6

<400> 13904

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caaaagcctg atgatcttct ttctcgatgc aatggtgtac catgcatttt tccagattac 120

gagtttggaa ctgagatttt aaaatacata cgtaccacca ggtctctatc ttgaaacaaa 180

aacactctct taactacaca agtgcatgta tatatataca tcattgatcg tcgtgccaac 240

agatctccca cggtgagaat tactgcagct actacactaa ctggtcagcc tgcaacaact 300

aaggttgctg cattctcatg tanaagggcc taattcggtt tcaccagcca ttctcaagcc 360

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gaacagaacn ggatttggac 440

<210> 13905
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-G7

<400> 13905

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gttctagacc taattcctca gnanccttтc tcgtcccttc cttgaaattc tccaccggaa 120

tatcgaattt cgcgaatctg agtaatgggt tttctctaaa atctccaatt aatcctgggt 180

ttctcttcaa gtctcgtcct ttcactgtcc aagctagagc tgctgcagaa aaaaccgttc 240

acgatttcac cgttaaggac attgatggga aggatgttgc tttgaacaaa ttcaagggga 300

aagttatgtt gattgtcaat gttgcttcaa gatgtggttt gacatcatca aattactcag 360

agctttcaca tctgtacgaa gaaatacaaa actcaaggat ttgagattct agcttttccc 420

tgg 423

<210> 13906
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-G8

<400> 13906

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ttgagatcgg gagagtagca cttgtgaact acggagaaga tcatggaaag ctcgtcgtta 120

tcgtcgacgt tgttgaccag aacagagctt tggtggatgc ccctgatatg gagaggatcc 180

agatgaactt caagaggttg tctcttaccg atattgtcat tgacatcaac cgtgtgccaa 240

agaagaaggc tttgatcgag gcaatggaaa aggctgatgt gaagaacaag tgggagaaaa 300

gctcatgggg taggaagctt atcgtgcana aacgtagggc taaccttaac gactttgata 360

ngttcaagat catgttgggc aagatnaaga aagctggtgt tgtcangcaa gagcttgcaa 420

aactcaaaga aggagatnac tgcc 444

<210> 13907
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-G9

<400> 13907

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catggccctc gccgatacaa atatgcttca agacttttgt gttgctgatc tctccaacgg 120

tttgaaagtc aacggatacc cttgcaaaga cccagcaaaa gtaacaccag aagacttcta 180

cttcataggc ttagccactg ctgcagccac agccaactct tcaatgggct cagctgttac 240

aggagccaac gttgagaaag tgcctggcct caacactctg ggagtctcca tctctcggat 300

cgactacgca cctggcggac ttaacccacc acatcttcac ccaangagcc tctgaagcca 360

tcttcgtcct tgaagggcgt ctcntcgtcg gtttcttaac cactaccggg aaactcatct 420

ccaaacact 429

<210> 13908
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-011-Q1-E1-H12

<400> 13908

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ggctgcgacg attctcctcc ctagtcaaac cggatttgat atttctcgga gtccggtatg 180

ctctgctccg gatccgaacc taaattacag accggttatt ggtattctga gccatcctgg 240

cgacggtgcg tcaggtcgtt tgagcaatgc tacagacgcg tcctccattg cggcttcgta 300

tgtgaaatta gctgagtctg gtggagcacg tgtgatccca ctcatcttta acgagcctga 360

agaaattctc tttcagaagc tagaattggt caacggtgtg atactaactg gtggttgggc 420

taaagaagga 430

<210> 13909
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-H4

<400> 13909

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tcgtgaaatc aatgacggaa ccagaaagat taggaggaat ctccctgagt tttccggtga 120

atgaagaaga tacggtaacg acaacatcac caaagactct tccacggagg ctccgtcgtc 180

gtcttctcga accgaagagt cctgtctccg ccgcagagat cgattccaaa ctcagagaag 240

ctgatctccg tcgtcagcaa tattatgaat cactatcgag taaggcacga cctaagatga 300

gaagtccgag atcaggaagt atagaggagc ttagtcagag acttgaatca aagcttaatg 360

ctgctgaaca aaagaggtta agtattttgg agaaggagct ggctcgtttg gctaagatgg 420

atgaagctag acaagctgcg aagaatggac ttgagcaacg agttgagaaa gagcgtgatg 480

aagttagaga gtaagggtga ag 502

<210> 13910
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-H6

<400> 13910

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aatttgacgt ttttgttctt cgaaattcaa attcacccag aaaaaatctc aatccgcgat 120

ggttgaagaa tcagcttctg cgtcggaagc ttcggtgata caaaccctaa ccgagccggc 180

gacggagatt gcgcaaaccc tagaacctaa cctagcctca atcgaagcca ccgtcgaatc 240

ggttgttcag ggaggcactg aatcgacttg taacaacgac gctaataaca acaacgccgc 300

tgacagtgct gctactgagg tttgtgatga ggacgtgaga aagacgcttg agttcgctga 360

aggaaattga cggagaaagg gtccgttgtt tttgaaagaa gaacgaattt cgctgaancc 420

gtcaattgct caancgtggt ccccnaaatc aagg 454

<210> 13911
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-011-Q1-E1-H7

<400> 13911

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aacagactgt gcctgagaag actaaggaaa gtgatggtag tccatgggag ttcgttggtc 120

tgttgccact ctttgacccc ccaagacatg acagtgcgga aactattaga cgagcccttg 180

agcttggtgt caatgttaag atgattaccg gtgaccaact tgccatcggt attgagactg 240

gtcgtaggct tggcatggga accaacatgt acccatccac ttcactcctt ggcaattcaa 300

aggatgaatc attagttggc atccctatcg atgagctcat tgagaaagct gatggatttg 360

ctggagtctt ccctgagcac aagtatgaga tcgtaaagaa gctacaagag aggaagcaca 420

tttgtgggat gactggagat ggtgtaaa 448

<210> 13912
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-011-Q1-E1-H8

<400> 13912

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acaacgatag tgatgaaact gatttcgggt ttggtgaggc tgacaccgac gatgccgcca 180

tcatcgcctc ctatcgctct aagagtaatt atgttgttct caaggaagaa gatattcgca 240

ggcatcagaa cgatgatgtt gggcgagttt ccgcggtcct ctccataacc gatgtcgaag 300

caagtacttt gcttcttcac tatcactgga gtgtcagtaa agttaatgat gaatggtttg 360

cggatgagga gagagttcgc agaactgttg gcatattaga gggacctgtt gttacaacac 420

ctgatggcag agaatttaca 440

<210> 13913
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-H9

<400> 13913

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ctctgcctct ctatttttctc ttaacattat tctttttctt ctttgctacc gcaaaaacgc 120

ggagaagctc tagcaccggc acgcttccac cgggtcctcc gatactgcca ttggtcggaa 180

acatattcca actcggattc aatcctcacc gttcacttgc tgccttttcg aaaacgtacg 240

gacctataat gagtttgaag cttggaaggt taaccgcagt ggttatatct tcaccagaag 300

cagctaaaga ggcacttaga acacacgacc atgtcatgtc cgctcgaacc tttaacgacg 360

ctcttcgagc ctttgatnac cataaacatt ctaatgtctg gattcccccc tctgctcgtt 420

ggagggnttc t 431

<210> 13914
<211> 685
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-A1

<400> 13914

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ggatactcgc tctcctcctt acgctccttt tcagcagcca ccgcttccac agctgcagcc 180

ggagctccta atagctcgct tgaccctaat cgactaagaa acgtggctgt gatagctcat 240

gtcgatcacg ggaagacaac acttatggac aggcttcttc gtcagtgtgg tgctgatatc 300

cctcacgagc gtgctatgga ttctattaat cttgagcgtg aacgagggat cactatttct 360

tcaaangtga catcaatatt ttggnangga caacgaactt aacatggtag acacacctgg 420

tcacgcaaaa tttgggtggt gaaggttgaa cnagtccgtt gggaatggnt tgaaaggaag 480

ctaaaattaa nttggtttaa ngncngggaa aaaaggcccc ccnttgnaaa aaancnaaan 540

ttttggttcc cttggccaaa aanccccttg naaantttnn ggggcntaaa gcccccaaaa 600

ccccttttcc cctttaaaan caaaggggtn aantttnnna ncccttttaa anttccccng 660

gggaaaaaaa aaangggttt nnant 685

<210> 13915
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-012-Q1-E1-A11

<400> 13915

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tatatacaaa tattaaaact tcttcttctt caattacaat tctcattctt tttttcttgt 120

tcttatattg tagttgcaag aaagttaaaa gattttgact tttcttgttt cagatttcag 180

caaatgggat cgattttaag cttcgtctgg gttaaaagct tggatcctat ctgaagacag 240

aacaaaggtt cttgcttttg attcattgcc cattttgaga agatgttcga aggtcgtcct 300

cgtgattctt gtctagtttc aacacttttc accatgccaa gccataaaga aacgaaatgg 360

agctttttgg tttctgggaa acgatctttt ctcaacaacg atgagtctga tcttcacttc 420

aagaaagatg g 431

<210> 13916
<211> 432

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-A12

<400> 13916

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gagtgaggcc ancattggat ggagtgtggt aacgggaagt atggcagatc aatcggtgat 120

ttcggatttc gatatgatga agagggtcac gagaaatggt ccggtggtta aaaccaaacc 180

ggtgattggt gagaaagtcc ggtcggctgg gtttttgtcg ggttgtaaga gtcacaaagc 240

tgtctcggtt gttgatagtt ctagaaaagt gaaagaaaca gccaaggttg atcatcacga 300

gatgtctcat cagaagaagt ttaaaactga gattangatt caagacttga gctttcttaa 360

taaacaatgt ttgtgtatgt gtgtgtccta attaagtttc atcaaataat tttgtatatt 420

cctcnngagt aa 432

<210> 13917
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-011-Q1-E1-G5

<400> 13917

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gaagcttgat ggtgttgtgg tgaatggttc aatggatagt cgatatgtag ggaatttgaa 120

tttgtcgttt gcttatgttg aaggagagag tttgttgatg ggattgaagg aagttgcagt 180

gtctagtgga agtgcttgta ctagtgcgag tttggagcct tcttatgtgt tgagagcttt 240

gggtgtggat gaagacatgg ctcacacttc gattaggttt gggattggta ggtttaccac 300

gaaggaagag attgataaag cggtcgagct tacggttaaa caagttgaga agttgaggga 360

aatgagcccg ctttatgaaa tggttaaaga aggtatcgat atcaagaaca ttcaatgggt 420

ctcaacactg attcaacagt tccactca 448

<210> 13918
<211> 52
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-C5

<400> 13918

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<210> 13919
<211> 181
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-C7

<400> 13919

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c 181

<210> 13920
<211> 69
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-C8

<400> 13920

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gattggaaa 69

<210> 13921
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-C9

<400> 13921

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acgaaaaaaa aagatggtag gaagaagaaa agctttactc ttttctctct gtttcttctt 120

cctctctctt ccttccttct cttcccttcc atccttccaa acnngtattc gccaattctc 180

attcccttcc ttgtgnntct cccgtctcat tccaacccga ctccgactcc gagtcactgc 240

tagaatccga atttgaatcc ggatccgact ccgagtcttc ttcttccatt actctaaacc 300

tcgaccacat cgatgctctc tcctccaaca aaacacccga cgagctattc agctcccgtc 360

tccaacgtga ctcccggcgc gtgaaatcta tcgccanact cgccgctcaa atccccggaa 420

gaaacgtgac tcangcgcca cgaaccggtg gattcagcag ctcaancgnc ncngggtcgc 480

tcnnaangga g 491

<210> 13922
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-010-Q1-E1-D12

<400> 13922

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gcgaatgtgg cggcgaagta acttaccggg gaatccagat tccgatcaga gcatatctga 120

ggaagaagaa gaaaatgata tttcgccgaa ggagaatgcg aaggaacaag agagaggatt 180

actacttcaa acaaagctcg aaaaactcat aggttgtggt gagctaaatt atgctaggga 240

aaccggtgat gtaactctgg aagcaactct acggaagata tcatcctctc ttgaagatgt 300

ggtcgaagtt cctgactccc ccgaggagag ttatatttct tcttccagaa gaactggatt 360

agcatgcata tctgctcagg aaaatgggtc agatgatgaa gattacacat gatgaacaag 420

tggcaacttg gt 432

<210> 13923
<211> 358
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-D3

<400> 13923

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cctgttnggc anaagattac tgaaccagng acaccatacc acccgatgat ggatgatgat 120

ggttctttgt ctcctagagg aagagcgttt gatgaatgtg ttgatgatat gcaacgagct 180

gaagaactga ggaatgttct gaatgatgca gcancttctt ccantngaaa tagtanccag 240

ggttctggtg gtggtggctg gagctcgtct gatgaagaag aagaanacgc agatccaatg 300

gatcannatg aagaaggttc tggaagtggt aaanatgaac gtttcancgc acacagna 358

<210> 13924
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-D6

<400> 13924

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cgtccaacca cgcgtccggg aaaacgatca atctttgtta tctctcactc ttcctcttct 120

tattttgatc ttcctcactt ctgtttgatt cctaataatg gaacacgagg gcaagaacaa 180

catgaatggt atggagatgg agaaaggaaa gagagagctt gggtcaagaa aaggagttga 240

gttaactatg agagtgttgg ctttgatcct aacaatggcg gctgcaacag tacttggtgt 300

cgcaaagcaa acaaaggttg tgtctattaa gcttattccc actttgcctc ctcttgatat 360

cactactacc gccaaagcct cttacttgtc ggcatttgtg tacaacattt ctgtgaacgc 420

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aagcaagaag ttgttaatgg tng 503

<210> 13925
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-D7

<400> 13925

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ctcaaggtta cccaccacaa caagggtatc ctccagctgg angctaccca cctgccggat 180

atcctcctgg tgcttaccct gctgcgcccg gtggttatcc tcctgcacct ggaggttacc 240

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gnggcatgat agcaggtgca gctggtgcaa gccgcagcaa gcttatggga nctcaacatg 360

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tgcccctggt caatggnc 438

<210> 13926
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-D8

<400> 13926

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tccaacnacg cgtccgaagc gacccaaatc ggaaaccaga acgggcagaa cccctaaatc 120

ttcttcttct tcttctccga tcagatcaat gctcgagcca ccacaaagct tatttccttc 180

caagggagag ttcttcacac tattgaaggt tttgcttgtc gcttgtgctg tagcttttac 240

ctgcaatttc ctctctaagt ctctgagctc aaacccttct aaatctttct gcgatagtaa 300

ctttaatccc atcgattcag acttggntat ttgtgaanct tgtccaatta atggagaatg 360

ttaccaaggg aagttgcaat gtaatcttgg atacanaaat caaaggaatt tatgtgtaga 420

ngatggagaa atcaatgaat caactaagaa attggttggg gtantttgag agaanngttg 480

tgaatcatat gccataatga a 501

<210> 13927
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-D9

<400> 13927

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tctcttcaaa gtttatctgg tcgggttggg aaaaatccaa ctagagaaga gcataaaagt 120

agacatctga tcaacccgac ccataataac ctttttttgt tggncgcgta atatgttcga 180

gcgcggccat cacactaaga acattcataa aaaaaaatcc acaggattca aagcccttaa 240

gctttgatca tagtctctta aagaggtagt aaaaccataa actagagccc caatttgcat 300

tcacaagcca cctaacacat tagcttctgg tcatttctgc tttatataca catcaagtaa 360

aaaatggtga gaagaagaga angtcttaca ttgccaatca taaaaccggc gcttcccgag 420

gtcagatnag cngccacaac gcnggtgggc tcacagaaan ccanaactcc tttatcgaaa 480

cang 484

<210> 13928
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-E1

<400> 13928

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ttttcatttc tgtaacttct tctccgtcaa agacacagag agtagagaaa aaagaaaaac 120

agaggaacag attaaaaaaa angnaaactt tattaaacga tgatgcaact gggtggtggt 180

actccgacca ctacagcggc ggctacaacc gtcacaactg ctacagcacc accgccacaa 240

tcaaacanca acgattcanc ggcaacagaa gcagcggcag cagcggttgg ggcgtttgag 300

gtgtcggaag agatgcacga ccgtgggttt ggaggaaatc gttggccgcg gcaggaaacg 360

ctagcgttgt tgaaaatacg atctgacatg ggaatagccg tttcgaagac gctancgtta 420

aagggccccc tang 434

<210> 13929
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-E3

<400> 13929

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cctgcgacgt agctgcaaac ccttctctcg ccgcctatgg tttctgcaac accgttttga 120

agatcgaata ccgagtcgct gatctggtcg cgaggctcac gttgcaagaa aagatcgggt 180

ttttagtgag taaagctaac ggcgtgactc gtcttgggat tccaacgtat gaatggtggt 240

ctgaagcact tcacggcgtt tcttacatcg gacccggcac gcatttttct agccaagttc 300

ccggagctac gagtttcccg cangttatac tcaccgccgc ttctttcaac gtatctctgt 360

ttcaaagcca ttggcaaagg tcgtctcaac ggaagcnagg gcaatgtaca acgtgggatt 420

aacccggact aacgttattg gtc 443

<210> 13930
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-E6

<400> 13930

catcatgctt ctatggagaa gaagacaaat gttttagtag aggatctgat tggtctctgt 60

gagaatccta cgtggacnaa tgatgcaaat cacgttgaca agggttttga aacaaccggt 120

ttgtgtcagg aagattctca gtctggagtg acgactcagt cagatctttc tcatcaatct 180

tctggttcag atttcacctg gaagccagtg gaagatgttt atacttgttt gatgaatcaa 240

cctcctagga aacaagttct tgttgggtct aatcatcaag cggatattcc cgagtttgtc 300

aaggaagaga ttcttgatca gtcagaggct cgaactaagg aggacttaga agggaagctg 360

atgagaaagt gtgtgatacc aatgtctgac tctgactttg tgngg 405

<210> 13931
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-010-Q1-E1-E8

<400> 13931

cggcttgctc aaaaggttga tcagacgcta ggatttgaga agcaatggcg aatagaatag 60

atcatgagta cgattacttg ttcaagatcg tcctgatcgg cgattccggt gttggtaaat 120

ccaacattct ctctcgattc accagaaacg agttctgtct cgaatccaaa tccaccattg 180

gcgtcgaatt cgccacccgg actttacagg ttgaaggcaa aacagtgaag gctcagattt 240

gggacactgc aggtcaagag cgttatcgag caatcacaag tgcttactac agaggagctg 300

ttggagctct tcttgtctac gacataacca agagacaaac ttttgagaat gtcttgagat 360

ggttacgtga gctaagggat catgctgatt ccaacattgt tatcatgatg gctggaaaca 420

aatcagac 428

<210> 13932
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-E9

<400> 13932

actctcgcgc ncggtnangt ctngagnccc gggccnaccc aaacgtccaa acacgcgtcc 60

gctaaagatc tcactggcca ggcttttggt accggcatac gggagcttca tcggcaggtt 120

ccaaaacctt ggagacatag ggaaaaacgc aganaagtan atcaagtatg gagttgagga 180

catagaggcg cgtattaacg agctgttcaa agggactacc acgggaagaa aatgaaggta 240

acgaacacaa aaatagcctc ttgtaacatc ttcgtaacga accacctgct aaatgaccaa 300

tagcgaagtc ttgcagggag gatttgtaac atgtattgtg tatcctttta gacagttagc 360

tcagctctgt tgtgttgttg tgtaatgttg tattgtaact gggatcactt tttttgtcat 420

tgtanaacga gaacaaccgt tgacagancn nncgngcccn ntgcnccngc ngacnnccct 480

ttg 483

<210> 13933
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-F12

<400> 13933

nactctctct acgaaggcgg atgcacgctt ctctgtctcc ctccactctc gagtctcgtc 60

ccctctgtgt gtgattatct tctttggtgt tgttgatgct ggagatctct tattcagatt 120

gatcacgcct gaaaggttta ttaggatttg gcaaaaggat ggatagaatc aacggtctat 180

cagatctctt ctgatttgaa ttctagggcg tttgtttgga agaatcattg cttctttggt 240

tgaggatctt tgtgaaacgc tgggattttg tgttctagac ttctagggtt tttgaagcaa 300

gctgtagcat aaggaaaatt ttgagaatga aaggtgaaag agaagttaag aatggtgttt 360

ctgaggaaga gagagaagtg aagaggaaga gagtgatgga acggtctgat tcaccacctc 420

caccacta 428

<210> 13934
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-C4

<400> 13934

ggnntngagg caattcntct agnctcncct agcngtctcn anatcccggg ccgacccacg 60

cgtccaacaa nacacaaatg tcttgtaatc cttctcttan ctttctcctt gtgattcctt 120

tttatattcc tctgatattt tctctcagtt tgatctcatt tgctctgcaa tggcgaggac 180

catgaatgct gctgtttctc tcacatcttc aaactcttct tcgtttcccg ctacaagttg 240

tgccattgct cctgaaagga tcaggtttac taagggtgct ttttactana aaagcaacaa 300

tgtagtgana ggtaaaagan tgttttccat anangcacaa atcacaacag aaacatatac 360

tcctactcct gcaaagaaga gtagagaaag tgtcaaatga anaacgagga aggtgtgatt 420

gttaacaggt acaagaccan tagagcctta nactggaaaa tgccttctca acaccaanat 480

cacngctgat gatgctcctg gagaganc 508

<210> 13935
<211> 533
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-010-Q1-E1-A1

<400> 13935

aaaaaanaaa ggcanttctc ttagtntngc nacttgtctn ncanancccg gggcccaccc 60

aacgccttca aaacaaaanc cttcaagtan ngagtggtga atcggaaaat gtcgcagtct 120

tccgtcgata taccgccaaa aggtgggttt agcttcgatc tgtgcaaaag gaatgatatg 180

ctgacacaga agggtcttaa agcgccgtcg tttctcaaga ctggaacgac tatcgttgga 240

ttgatattta aggatggtgt aatacttggg gctgatacac gggcaactga agggcctatt 300

gtggctgata agaactgtga gaagattcac tacatggcac caaacattta ctgttgtggt 360

gcaggaaccg ctgctgacac tgaagcagta actgatatgg tcagctcaca agctgcggtt 420

tcatagatac caagactggg ccgagantct cgagttcgtt actncanttg acccccttctc 480

aaaanacatc ntttcaagcc taccaanggc cattgtctca acctgcctcc ttg 533

<210> 13936
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-010-Q1-E1-A11

<400> 13936

gcaaacttgt agagatgtcc atcctatcag caaccaaaag ccatgggagc gaccatgtgt 60

tttctcttgc ttccacagtg gtgaaatttg ttcttgaaac aaaaggggcc cacagtgcga 120

ggaagatata caagaggttc ttggctcttc ctggtcccag tcttgttcta tacaaaggtt 180

gcattgaaat agagaccaac ctcatatcag taggtgataa agatggtctc agtaatgccc 240

ggaagctgta tgattctgct gttgcaagtt acggtcaaga cgtggagctg tggaagaatt 300

actactcatt ggagacaaag ctgggaacat cagagacagc caatgggagt gtattgggcg 360

tgcgagaaag actctgaatg aatccgcgga ttcatagttt gatctccgaa ttaaaaggta 420

gtccaatatt 430

<210> 13937
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-A6

<400> 13937

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cgtccaanga gagatctgtg acattaatgg aacctgtgtg gatgctgcgg aagatgagtt 120

tttcaggtta acgacaaaag aagggaaatt gacagttgaa agagagactt ttaggacacc 180

aacagctgat ttctcgccga tcttgcnatt cgagcaagac cctgttcaga ttcttgatgc 240

tttgttgcct ctgtatctta acagtcagat tcttagggca ttacaggagt cattggctag 300

tgagcttgca gctagaatga gtgcaatgag tagtgcttcg gataatgcat cggatctcaa 360

gaaatcgctt tcgatggtgt ataatagaaa gcgtcaagct aagattactg ggagagattc 420

ttgagattgt tgctggagct aatgcacagg tttgatttgt tttgaaccct ctttngaatc 480

ntctatatga gtccaaaaac tctct 505

<210> 13938
<211> 339
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-A7

<400> 13938

gaatatagng aatcccnngn cccncnngtc anaatacatc ggnngccgac ccacgcganc 60

aaagacggag aagagctttg gcaaaagccg aaaccgggtc tggtaaactt ttatctgaat 120

gtatatgtat ataatgtttt agagtagtag taagtaatat agtgtaacta tttcttgggg 180

aagtccattt ctacttgctt ttctttttat ctgcatttgg cttttggttc ccaaaaactc 240

ttatttctgt tgtacattca tgtctgaatt taataacctc ttcttcaaga aatggctttc 300

actcacaaaa aaaaaaaaaa aaaaaaaaaa aaagggcgg 339

<210> 13939
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-A9

<400> 13939

tagcagctct gngggacngc ntangtctcg agnccccggg ccgacccaca cgtccanccg 60

aattctctgc gatttccatg gagttatctc ttctccgtcc gacgactcaa tcgcttcttc 120

cgtcgttttc gaagcccaat ctccgattaa atgtttataa gcctcttaga ctccgttgtt 180

cagtggccgg tggaccaacc gtcggatctt caaaaatcga aggcggagga ggcaccacca 240

tcacgacgga ttgtgtgatt gtcggcggag gtattagtgg tctttgcatc gctcaggcgc 300

ttgctactaa gcatcctgat gctgctccga atttaattgt gaccgacgct aangatcgtg 360

ttggaggcaa cattatcact ccgtnaagag aatggttttc tccngggaag aaaggtccca 420

aatagttttc aaccgtcctg attctaatgc cnnantangg gtnggtaaat aagtngtttt 480

gganggantn attttgg 497

<210> 13940
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-B10

<400> 13940

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tttatctcct aaacccaaaa acaacgattt cactgtcacn gttgtcaagc tcgaatcaca 120

ctagccgaga cgatggcgag accatcgatc gccacgtgtg atccaagcgc acgaccttgt 180

ttagcgacgc gtggctcact tcctcgtagc cgtacatgcg cgccgctttt attcctctgc 240

ctcctcctag gtttaacggt cttttgtgcg gacgcaaatc cttctgactc gaagcttctc 300

tgctcccgtc ntcttccatg tgagccttct attganatgg gtgagacant gtnngaatcc 360

tgtggganac tcttggnacc ggaaagtgag tggttccttg cngtaagatt aannctttga 420

cgnagttant 430

<210> 13941
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-B11

<400> 13941

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gacacaagat cacaacagan aatattatat ccaaangcat ctcttgagta tgcacgacgc 120

catttgcaag gacaangtga acgttgcggg atactttgtg tggtctttga tggacaactt 180

tgagtggcaa natgggtnca aggcgaggtt cggactttnc nacatcgatt tccacaacaa 240

cntgacccgt caccanaaag tttcgggcaa ntggtattcc gaattccnca aaccacagtt 300

tccaacctcc aagctgaggg aagaactcta gatgatcaag aatcctatcg ggacataata 360

attgagtaca agantcntga agatgttgtt gaggataata tcagtttgtg tgttctatgg 420

attcntttca tctaccggtc cttcctacgt tagaangact tgtnacttgt t 471

<210> 13942
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-B12

<400> 13942

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acccacagcg tccaaacaag aaaccatgaa actttctctt catcaaccac ttctcttctt 120

cttcttagcc agcgtcctcc cattaatcct gaccgtccat tctcaatcag acgactcaga 180

tttcatccgt actagctgca acaccacatt ataccctgac ctatgcttct cttctctttc 240

ctccttctct agctctgttc acaacgatcc agccctcttg gctcgagccg ccatctccgt 300

cactctcacc aagactctcg acttagcctc atacctcgcc aatatcacca ctctccagcc 360

agagagcaac gaagatggtg ctcaccaccc aaccgcagcc gctgtttttc acgactgctt 420

cgacaatctt aaagacgcgg tcgaagaaat gaaangctcg atgaaacaga tganggaagc 480

tggtctcgac tgggctcgct cgaatt 506

<210> 13943
<211> 56
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-B2

<400> 13943

cgttgntgac caacagacgt aggcnccgtt agcttctctt caagcgcccc tggtgg 56

<210> 13944
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-B3

<400> 13944

ggaatgcagg taaattcact gatgaccatt gaagcaaaaa agaagtacga gttcttggaa 60

tctataagtg caattatgga ttcccatttc aaatatttta agcttgtatg tttcttctct 120

tattttgcat ttagagatgt aaccaagtgt gaccaactaa gggaaacatc agtacctcgt 180

tgtactcctt aatgtggtct ctttgttctc cagggttatg atctattaag tcaattggag 240

ccttacatcc atcaggtatt gacatacgca caacagtcaa aagaacagtc taagattgaa 300

caagatcgat ttgcacaacg cattcaagaa ttcaggactc aatctgaatt agacagccaa 360

caggcctctg ctaaagcaga ttcctccgat gttggtggaa ancatgttta tanagctatc 420

ccccgttaaa acgtnnaanc aa 442

<210> 13945
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-B6

<400> 13945

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cgcgtccant tttgctcttg gctgattcgt tggagcttga tctctccgtg gaaatgggtg 120

gtttccggtt tcaccagtat caggtggttg ggagagccct cccgacagag aacgatgngc 180

accctaagat ctacaggatg aagctttggg gtagaaatga agtatgcgcc aagtccaagt 240

tctggtactt catgaggaaa ctgaagaagg tgaagaaaag caacggacag atgcttgcca 300

tcaatgagat tttcgagaag aacccaacga ccatcaagaa ctacgggatc tggttgcgtt 360

atcagagccg aactgggtac cacaacatgt acaaggagta ccgtgacaca acactcaatg 420

gtggagtgga gcagatgtac actgagatgg cttctcgtca tagagtgagg ttcccttgca 480

ttcagatcat caagactgcg actgt 505

<210> 13946
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-B7

<400> 13946

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acttgtcaac attacctgtg gctataggac tctatggtta ctgctactca ggacatgctg 180

ttttccccaa tatttatact tctatggcca aaccatctca ataccctgct gttctcttga 240

catgttttgg tatttgtact ctgatgtatg ccggcgtcgc tgttatgggt tatacgatgt 300

ttggagaatc aacacagtca cagtttactc tcaacttgcc tcangattta ntttgcaact 360

aanattgctg tgtggactac cgtggggcaa tccatttacc aaatatgctt tgaccatatc 420

tccagtagca atgantcctg ag 442

<210> 13947
<211> 84
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-B8

<400> 13947

ngtcacctca gaagcttctt caaacctcat cctctgctga ngaaaatgta caaggttggn 60

tgaccatgtt gcctgtgcng ttgc 84

<210> 13948
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-010-Q1-E1-C12

<400> 13948

gcccacgcgt ccgatcaaaa ccgcctccat ttctcattct ctctctctct aaaaaaccaa 60

atccagagtc agagaaaatc tgtgatggct ctttccaacg cctcctctct ctccaccaga 120

tctatctacg gcggtgatct ttctcaccgt ccaagcaacc gtcaatcatc cttcacattt 180

catcccgccg tcaacaccaa gcctaaatcc gttaacctcg tcacggctgt acacgcggct 240

gagccagcta gaaacgctgt ttcagtcaaa gaatccgttg cgtcttcttc gtctggtgca 300

ttgaaatgga ctccagagag ctggaaactg aagaaggctc tgcaacttcc tgattatcct 360

aacgccaatg agcttgagtc tgtgcttaaa acgatagagg cttttcctcc gattgtgtt 419

<210> 13949
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-C3

<400> 13949

aacacataaa aaattaagag ttgtcattct ttgaatcccc gcaagcaaga agaagaagaa 60

gaagaagaga gtcaatttgt gtgttttgtc atttgaagaa gagagagaaa gaggaagact 120

ttgactcgtc ttcttcctct cttcttctct ctctatcact gcatttgttt ttcctcacag 180

cgaaccttga gatttgatta gatggggaat tgttgtggca atccgagttc ggctacgaac 240

cagagtaaac aagggaaacc caagaacaaa aacaatcctt tttacagcaa tgaatacgct 300

acaacagata gatctggagc tggttttaag ctctctgtgc tgaaagatcc tacagggaca 360

tgatatatcc ttgcagtatg atcttggacg tgaggttggt cgangcgagt ttggtataac 420

ttacttgtgt actgataang aaa 443

<210> 13950
<211> 416
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-H6

<400> 13950

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taagcgcagc ctctaagaat tattcttttg gnaagtcttc atcagtgatg aaaactcttg 120

cagtcaatgt tgatgatgcc atggacgata ttgtacgtca gttcaaaggt gtctcagatg 180

gccttatgcg caaggttgta ggatctccac ttgatgaaca tgatcatgct ccnacccgcc 240

acctctcctg nagtgtaaat ganntaagca ctcagctctc tagggaaagc gcaactgaat 300

ctatgcacag cagcatttct gngactgaan gacatcgaca nacntggagn anaacactca 360

nnngggaagg tanatttgat tcanangccn atgggtggga cacnggataa ggaatt 416

<210> 13951
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-F10

<400> 13951

ngnnnggggg ntnngggnan ttctngcagc tcggtagcct cttnaattcn agggtcgacc 60

cacgcgtccg aaaaatgcat gtatccataa ttttcgtctt caacgtcctc gtcgtttcat 120

atccaaatcc atgacaaaaa cgatgccgga tgctaatcct cttgacctcc gtcgacgctc 180

gggcaactat caaccttctt catgggacca tagttatctc ctctccatcg agaacaaata 240

tgtgaatgaa aaagaagtga taactagaca tgtgttgaag aaaaaggtga agaagatgct 300

agaggaagta gagacgaaga gccgtctcga gaaattagag ctcatcgatg atttacaaaa 360

gcttggggtt tcgtatcatt ttgagcaaga aataaataac attttgacaa attttcatct 420

tgaaaatgga aaaaatattt ggaaatgtga caaggaagaa gatttacatg caaccgcact 480

cgaattcccg actcctaaac aacatgg 507

<210> 13952
<211> 490
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-F12

<400> 13952

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ttacatagat ttgcacagga agaggaatgg atatcgcctc gaccacttcg agagaaagcg 180

caagaaggag gcgcgtgaag ttcacaagca ctccaccatg gctcaaaagt ctctaggtat 240

caagggtaag atgattgcta agaaaaacta tgctgagaaa gctctcatga agaaaacatt 300

gaaaatgcat gaagagtcat catcaaggcg taaggctgat gagaatgttc aggaaggagc 360

tgttcctgct tatcttcttg atcgtgaaga caccactcgt gccaangttc ttagcaacac 420

cattaaacaa aanaggaaag agaaagctgg caaatgggaa gtccctcctc caaangtcct 480

tcaattgctg 490

<210> 13953
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-F2

<400> 13953

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aggaacataa agaactgggg aacattttgg atatttttc tccaagtgaa gttaaaagga 120

acaaggagac aaggttggag tcgaccaatc attgantnga gctagagaaa tctggctaca 180

attcaatttc agatgaggtt ttcaaaanca cagaagatga atgttcaaat agcataagaa 240

gctgtgaatt ttcttcnttc gtttttgtcc aatgggaaca atggnacaat tgggaatcat 300

gggaaaattt ggagccatgg cacaanacca gtaanttaac cagatgatca tggataaaca 360

atcagtacaa gaatggctat cgcncgtcaa ctcgctaata ncatccgtcc tcancaaggc 420

aaganacgtt aanangtttn caggaagat 449

<210> 13954

<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-F4

<400> 13954

angcctncag tagccgtcna gaattcaagg gtcgaccnac ncgtccgagc agcctngggt 60

cttttccaag gtttttgttt tagccatggc taaacctccg tcctttggct gctgcttctt 120

cctcttattc ttctccttct tatcttcttc ctttgtctca tttgccctaa ccgatacaga 180

agctgccttc attgtgcagc gacaactttt aacgttacca gacaacggcg aacttcctga 240

tgatatcgaa tacgaggttg atctcaaggc tacctttgcc aacaccaggc ttaagagagc 300

ttatatagct cttcaggctt ggaaaaaggc catattttca gacccattta acaccacggg 360

ggaactggca tggcccacac gtgtgcggct acaccggtgt ggtttgtgcg ccagctcctt 420

gatgattccg atgtcacggt tgtagcctgg tgttgacctc aacgggtgcc ggatatccca 480

agggcatttg cctgg 495

<210> 13955
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-F5

<400> 13955

ggtcaaacat ttccaccatt ttcgtttctt aaacctttct tcagctcttc tcttcgtcaa 60

tctgcgatag tggaattgaa gtctcttcgg tgagtttctt tactaatgga gaccgccgct 120

tcgagcgtag ctacaactcg tggcggttcc cttcagaatc cgtcgccgac ggctccgtca 180

agaaaagagt ggcgcgccgt ttcggattca caagacacca cagattatgt ggatttggaa 240

cagttaaagc tgaacaggac agatgagaga acgatttatg agaatggaag agaacaggat 300

ggttattcaa atagtgagat gttgcagcaa cagattctta atgtttctag aaagaaagga 360

gaattacagc agttggagat tgagctcgag ctcagatgan tgcgagacat gagatnatgg 420

agant 425

<210> 13956
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-F9

<400> 13956

acatagtttc ttcttgcttt tgagaaaaaa taattatata tttttatata ggaaagggtt 60

aatttattaa taaaaaaaaa taaaaagaag cagaaaagag ataatgcagg gtggtaggct 120

tttgacggtg ttggtgtgcc tcgcctccac ggtggcgttg gtgagcgccg gtgacccttа 180

cttctactac acgtggaacg taacctacgg aaccgccgcg cctctcggaa ttcctcaaca 240

ggtgattctc atcaacggac agttccctgg tcctaaccta aactcaacct ccaacaacaa 300

tgtcgtcatc aatgtcttca acaacctcga cgagcctttc ctcttgacct ggagtggact 360

ccagcacang aagaactcat ggcaagatgt gtgactggga actcatgccc aatcccagca 420

<210> 13957
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-G11

<400> 13957

gngnntngnn gcaattctnc gcannccgta gccgtcntan attcaagggt cnacccacgc 60

gtccnaagag agaaggaggg agagaaggag cttagtggtc tcattaccat taccagctcc 120

atacgaaccg aaacgacgcc gttcgctcaa ccctttctc tgcaatctcn cttcctccca 180

cgagtttctc agcttttctc ggatcatcta attaaganag gagatcttgt ctcacggtgg 240

gattgatttt tctcttcacg aagatcgtgt tccaggcaat taactgcaga aaatggtgat 300

gtgggtcttt ggctatggct ctcttgtgtg gaacccagga tttcactacg atgagaaagt 360

gttaggtttc atcangggat ataaacgtgt cnttgatctt gcttgcattg atcatagagg 420

tacaccagaa caccctgcaa gaacttgcan cctccaagaa agctgaagaa gccatatgct 480

ggggtactgc attctgtgt 499

<210> 13958
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-G2

<400> 13958

acgcctcnat gtagncctcn agaattcaan ggtcgaccna cccgtccggt aacgaattcg 60

aaatggttcc gtgacttttg gctcagtgct aactctgaga atgagttcct cggcggcgac 120

gatttctcag ttatggaaga agagttcgag gagatgatcg catcgtctga tggtggatcc 180

atggctgata cagttacaga agcagatgtg gctagttatt tgaagatgct tttgaacata 240

gcggagtcta cgaaagagaa gatttataga tcgaaggttt cgtcttgttc accaaagtat 300

aatcagaaga agtacatgaa tccgaacttt aattgtcgcc ggaatcatca tatctatcag 360

ccacggtgaa gcttctagaa ggaacaaagc tcttccttct tcttccttcg agatgataat 420

cagagtcctg tccgtgttta tgggctgaat ccgatctttc cgccttccct gttttttggt 480

aattcngtga ata 493

<210> 13959
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-G3

<400> 13959

aattctattt gnccggcccc ggtcatatca taacgggtcg nggncacgcg tccnatttca 60

cctttggtgg caaacacaac gacagatana nagaaacgat ggcgtcgaac tcgcttatga 120

gctgtggcat anccgccgtg tacccttcgc ttctctcttc ttccaagtcg aaattcgtat 180

ccgccggagt tccatgtccc aaacgccggg aatgttggtc gtntcagaat ggctgctcan 240

tggatgcntg ncnagccacn accancttac cttgacggtt ctgctcctgg tgactttggg 300

tttgacccac ttggacttgg agaagttcca gcgancccttg agagatacan agagtcagag 360

ctcatccact gtanatgggc tatgctcgct gttcctggga ttttggnacc agaagcanta 420

aga 423

<210> 13960
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-G4

<400> 13960

ggtgnngnaa ctttctcngc ngtcggtctt ancttacggg ccgagcncgc gtccnagata 60

agatactggt tactgaaaac agagccaaat gagtggtcat ggtcagacca anaatcaaac 120

ggcggtatca gcaaatggga cggcgtcaag aacaaacaag cccagaagaa tcttaaatcc 180

atgactttag gagatctctg tttcttctac cattcaggaa ccaaatcaag atgcgtcgtt 240

ggcgtggttg aagtatcacg tgaatggtac actgatgatg ctgaangagt agaaggagaa 300

ggagcggttg atgtcaaagc gattggagaa atgaggaaat gtgtggattt gaaggaaatg 360

aaaggagaca aagggattat tactaaaggt tttgttttgt ttagacagcc gangttgtct 420

gttgttcctg ttgaggaaga tgtttggaat atgatttgtg aantgggaaa tgggttttgt 480

ggnaattgnt ngggag 496

<210> 13961
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-G9

<400> 13961

nnngngnnnt nnnngcaant tnnacgccgn ncggtgccgt cttnaattca ngggtcnacg 60

cacgcgtccg aaaattagta gtcaagcaaa acaaagatgc accggcacgt atcatatatg 120

gcaaagagct agccgcagca tatactactg gccggtatta aaaaatgtaa ataactaaca 180

ntcatattta tttttcttta ttttaaaagc atatttattt tgtcgtgatt atgttaatta 240

gatttcaaat ttatatattt tcacatagac caattaacaa ctacaatgaa atacttgata 300

acacataccc cgatgaagta gtttttttatt gaataaaaaa aacaaattga actggtgtag 360

aaaacttgtg aataagagag tttaacattt tgtcaaaaaa aaaaaagaag aagagagttt 420

aacatatttt ttttcggttt taagtttagt taacattttt catatccaaa gttatacnct 480

caaaattata accaacacgc cttaca 506

<210> 13962
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-H2

<400> 13962

tactcnnccc ggnccggtca naganatacg ggncgaggcc cgcgtccggt tttaaaaagg 60

gcaaattaga gagatttctc cttcaataac aaaaaatcgc cagctttatc tctctctttt 120

tcacatccca tggctagatg gtgacgacga ttcacgcata anntagggtt cccccacaaa 180

tcatcttaca cgtatcctct attccttcct tcctttctcc gtcatcatca tttttcccac 240

cgacaacaat ctctcggagt ttggatcaat aatggcgttg aagtctagtt ctgctgatgg 300

taaaaccaga agctctgttc agatcttcat tgtgtttaag tttatgttgc ttcntttaca 360

ttttgggagc atggcaacga agtggttttg gtaaaggaga cagtattgct cttgagatga 420

ccaacagtgg agctgattgc aacattgttc ctaagcttga atttcgagac tcatcancgc 480

ngggaatnaa g 491

<210> 13963
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-H3

<400> 13963

aggaggttgt gttccgagca ngaagaanaa gccggccacc accggcgatg gtcccggaat 60

cgatgatgat aacgacgcta ctaatgctcc gatccaaatt gacgatgatc aaaccaccat 120

tgacggcgat cgaacaacgg cgacgaatac tggnggaaca acaacaccag cgattactac 180

tacggctgct aagatctcgt caccgctcaa gatcttcgtc gtgttctatt cgatgtacgg 240

acatgtggan agcttancga anangatgaa aaagggantg gatancntcc aaggagtgga 300

ngcgacgttg tacacagttc cggagacgct ttcgcaggag gttgttgnnc agatgaaggc 360

gccngttaac gatttgggga ttccgtggna atancgnggt tggaattncc cgcgggctca 420

gg 422

<210> 13964
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-H4

<400> 13964

tatacgtgtg gatggnaatg atgcacttgc catgtacagt gcggtacata ctgctcgcga 60

aatggcaatt agagaacaga ggcnantctt gattgaggcc ttaacatacc gtgtaggaca 120

ccattcaaca tcagatgatt ccactangta ccgctctgca ggtgagatag agtggtggaa 180

caaagcanga aacccactgt ctangtttag gacatggatt gaaagtaatg gctggtggag 240

tgataaaacg gaatcggatc tgagaagcag natcanacga agagatgtta nnancgctcc 300

gggttgcaga gaagactgag gaaaccgaat ctgcagaaca tgttcncaga tgtctacgat 360

gttcctccat ctnacctcag gggancaaga acttcnggt 399

<210> 13965
<211> 60
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-F1

<400> 13965

ggataccgga ggtattcctg aggcacattg cngctgttct cggngctaag cttccaccta 60

<210> 13966
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-B2

<400> 13966

gntggngnaa ttccacgctt ntcggtgccg gtcatgaatt caangggtcg acncacgcgt 60

ccgaatctct ctgtatcttc tcttgagtgg agcgaatatc caaaagagtt ccgagtttct 120

ttcatccttc acgagcttat acttttttctt ctccattcgt ttgtttttaa cgatcaaaaa 180

caacggcgaa ggtattggaa ataagacaga agctgttagc tctgtttctc catggtgtca 240

agatcttgtg ctaatttttct agacttatca tcttgggacc ttttagattt tcctcaaact 300

ccacgaactc ttccacgcgt catgactgtt ccgggaatca tcaccgacgt agacggtgat 360

acaacctccg aagtaacttc tacctccggt ggttcacgtg agaggaagat cattgtagct 420

aacatgttac cantccaatc taaaagagat gcagaaactg gtaaatggtg ttttaactgg 480

gacgaagact ctctctg 497

<210> 13967
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-B4

<400> 13967

tcccttaact ctatctctag gtgacttaag agtaaaaaat ggtagaggca gaggttgaag 60

tagatgtgga aatcaaatct acggctgata agtttttcat gttctctaga agatcacaac 120

atgcctccaa agccactcgc tatgtacagg gatgtgatct gctcgaaggc gagtggggcg 180

aagttggaag catactcttg tggaaattaa ctgttgatgg agagccaaaa gtgtcaaagg 240

atatgattga ggcgattgat atgaagatga atatgatcca gtggagggtg ttagagggac 300

ctctgaagga agagtacaat attttctcga aaacgatgaa agtaagccct aagcaaggag 360

ggtctggaag tgtggtgaag tggaacttga agtatgagag aattgatgag aaggtggctc 420

acctagagan g 431

<210> 13968
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-B5

<400> 13968

ntgnggcagt tcnaancncn cngcgncctg tnnaangtcn naangtcccc gggccgaccc 60

acncgtccgt ttctcgtcaa tctcaatcaa tggcttcnga agatactctc tcctcgaatc 120

ctctattgca naattttgac ttccctccgt ttgactccgt tgatgctcac catgtcagac 180

ctgggattcg tgctctgttg cancagctcg aagctgaatt ggagcancta gaaaaagctg 240

tanagccttc atggccaaaa ctagtggagc cattagagaa gattantgat cggttatctg 300

ttgtttgggg aatgatcaat catcttaagg ctgtcaagga cacacctgag cttcgtgctg 360

ccattgaaga agttcagccg gagaangtga agttccagct caggttggga cagagcagan 420

ccatttacaa tgcatttaan gctattccaa gaatctccag actggaattc atttgagcga 480

aagctcgtca acgattaat 499

<210> 13969
<211> 262
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-B6

<400> 13969

gcggacgcgt ccgcccangc gtccgctgag tctttcttgg ttcactttcc ttaaacacna 60

tttgacatng atgcaatttc atctcttggg accaattgtg ttctttctgg ggtttctcca 120

ttttcacaat agaatcaatc aaaatcgaaa ctttctccgt ttangagtct tgatttgaag 180

gaananccaa tggcttcagc anatttcacn aaccaaacct taaccgcttt ctcttcntcg 240

tctgcgtctc cttttcaggc aa 262

<210> 13970
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-B7

<400> 13970

agnntngngg naacttctan ctgntcngcg nnccgtaang gtcnnagagt ncccgggccg 60

acccacncgt ccgcaataag cagcatctct ataatcccta agattcacaa tggagcttgg 120

aggaaaatgc aatgcaatta caaccacaac aatgatctca acagaagtaa agccacatac 180

ggatccggaa ccagaagcca aacccgaatc agatccatcc atggctttat tcccgatcaa 240

gaaagaaaac caaaaaccaa agacacgtgt cgaccaagga gctaagtacc gggaatgtca 300

gaagaaccac gcggcctcaa ccggaggaca cgtggtggac ggatgctgcg agttcatggc 360

cggcggagaa gaaggtacac tcggtgcttt aaaatgcgcc gcctgtaact gtcaccggag 420

cttccaccgg aaagaagtgt acggacacag gaacagtana caagatcatc agctgatgat 480

aactccggcg ttttacagca gt 502

<210> 13971
<211> 356
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-B8

<400> 13971

gattttgaag gatggattat cagcggttca tgtaccttat gcttatggat ttgcgattat 60

cttgcttacg attatcgtca aagcagcgac gtatcctttg actagggcaa caggttgaat 120

caacactagc natncaaaat cttcaaccga aaatcanagc gattcaacaa cgttacgcag 180

gaaatcagga gaggatacan ctagagacat cgcgattgta taaacaagct ggtgttaanc 240

cgttggcagg ttgcttacca nctttagcan ccataccagt ttggattggt ttatacnang 300

ctctctctaa cntggccaac gagggantgt ttacacgaan gtttcntttg gattcc 356

<210> 13972
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-B9

<400> 13972

nngnnnngna acttntaaac gtgtcagcng ncctgtaaga ggtcaagggt cgaccgacnc 60

gtccgcgtgg aaccacatcc tctttaagct cactagctga ttgatatcgt cttatacctt 120

tggccgtttc gtctctctct ctctcgttta attacttgta cctatcaact cagtgatact 180

ctcgcttctg agagagaaga gagaaagcga agctcgtttc gtatcgtctt ctttctcttc 240

atccgacgct ggattcataa gggcattgat aattggactt gttggttaag atttgaatca 300

acctggagct atgtcgagtt ttaatctgag tgtagatgtg aatcagaatg ggaatatcaa 360

gaatgttgat tctttatcta cattggacga tattgatgac attgattttg ccaagttgct 420

agagaaagcn angggcattg aatattgata gactgagatc acttgacgaa aggtccctta 480

cngaatnaac tggttt 496

<210> 13973
<211> 110
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-C12

<400> 13973

aaactcagga ttgattcntt atgaatcngc accaagttcg tacttttcga gtttcggtca 60

atcactctat cgagttttta natctatcca caagtcttga ngctgaacga 110

<210> 13974
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-C3

<400> 13974

gngnnngnaa cttntaccng tcggtgccgt cnnnaattca agggtcgacn cacgcgtccg 60

cttcttcttc ttctccgttc gtgctctgga ctcgctcgaa atcgatccga tgataattta 120

tgcagctcga aacttaattt agaatcatac ctttttctgg atttggctga cgaatccgtt 180

ttcaattgca cgagttgctt cgccaggttt atcaacttaa gaatgtctaa ttatcaaggg 240

gatgatgctg agtacatgga agatgtggat gatgaaatgg atgaggatga tttagatgag 300

gattttcgtg gggatgatat ggctgcctct gattccgatg tcgatgagtt tgactactct 360

aataataaaa tagctgacac ttcagctgac caagcccgga aagggaaaga catccagggg 420

attccttggg acangcttag tattacgaga gagacataca gacaaactag actanaacag 480

tataaaaatt 490

<210> 13975
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-C4

<400> 13975

ngngtggngg aaacttcnac gctnttcggt nccggtcacn aattcacggg tcgacccacg 60

cgtccgagga aaaagaacga tctagaagaa agaaaaaaaa aggaaaagaa acccttatgg 120

aggttcccac accactctat atataataac atccttctcc taaatcccgc atcagtactt 180

ctctctgctc tcaagataat tttgttctct caatttcatt cttaaaccct agttcttcga 240

ttttttccga tctacgacaa tggcggacgc tgaaaccttt gctttccaag ctgagatcaa 300

ccagttgctt tccctcatca tcaatacctt ttactctaac aaggagatct tcctccgtga 360

actcatcagt aactcttctg atgctttgga caagattaga ttcgagtcct tgacggacaa 420

gagcaagctc gatggtcagc ctgagctctt cattcacatc attcccgaca agactaacaa 480

caccttgacc attattgata gg 502

<210> 13976
<211> 70
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-C8

<400> 13976

cntttgtgga gttggtagta gtattggtag tcacagatca agtnancatt tggctgatca 60

ataccatgat 70

<210> 13977
<211> 276

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-D10

<400> 13977

ncgtcngcaa anngtagttg cganaaggag tggaanagtt aaacggaaga ggagcanaag 60

gatatctctt gttgcagagg gaaattatca acaagtatct gcagctgagg ctatagttga 120

tatttctaga aagtctggtc gagaaactgc tgcttgtatc acttccttaa gcaaaaatct 180

actttggttc gccgacattt cttcctcggt tgctgaggac aacacaatag acacattgca 240

gctgacagaa nagaagctan aggancacga nacnna 276

<210> 13978
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-D12

<400> 13978

aactttacgc cnncngtagc cgtctaaaaa ttcnagggtc gaccnacccg tccgaggaat 60

ctnatgaang ctcaaggatt gattcatgaa gcatacagtt gttaccttga agctgttcgt 120

atacaaccaa catttgctat tgcatggtcn aatcttgctg gtcttttcan ggagtcaggt 180

gatctcaaca gagcccttca ntactacaag gaagctgtga agttgaaacc tgcattccct 240

gatgcatatt taaatttagg aaacgtgtat aaggccctcg ggagacctac tnaancnatc 300

atntgttatc agcatgcctt acacatgcgg ccaaattctg caatggcatt tgggaatata 360

gccagtatat actatganca angtcaacta gatttagcan ttcgacacta cnatcatgct 420

ctctcccggg atccacgatt tttgggaggc ttagaanaac gtgggtaatg cattnaacga 480

ta 482

<210> 13979
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-008-Q1-E1-D2

<400> 13979

gntngngnaa ttctacgcnn tncggtgccg gtcacnaatt cacgggncga cncacgcgtc 60

cnaacttttc cttcttcttc ctcaaccttt gcttcaatct tcaacaactt tcttttttata 120

aagattttgc aagttaagtg taaacctaca aaaaccaaac atggtggttt tgccacagcc 180

agtcacttta gataaccaca tctccctaat ccccacatac aaaccggttc cggttctcac 240

ttcccattca atccccgtcg tcaacctagc cgatccggaa gcgaaaaccc gaatcgtaaa 300

agcctgcgag gagttcgggt tcttcaaggt cgtaaaccac ggagtccgac ccgaactcat 360

gactcggtta gagcaggagg ctattggctt cttcggcttg cctcagtctc ttaaaaaccg 420

ggccggtcca cctgaaccgt acggttatgg taataaacgg attggaccaa acggtgacgt 480

tggttggatt gagtat 496

<210> 13980
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-D5

<400> 13980

ntgngnaatt cnaactggcg cgncngtaag gtcacaantc ccgggncgac ccacncgtcc 60

ncccacgcgt ccgggttccc gcctcaacca aatcaaaaac cctaatttcc ccaccaatca 120

gatcctccac aattatccca ccgacgaatc ctatcaatct ctctagatag cagcaaatca 180

gtgtcggaac aaacccgacc cgttttgagt gatttgacga atcttccaaa gaaaagaggg 240

atttcatcga ttttgggtga tttgcttgat gaatctggta agaccgttgc tcatgaagtt 300

tcaaaagaga agttttcaaa gaggttgtgt ttagtcgtag atgatttggt taaggaaaat 360

gctacacctt tggatacaat tcaagggtct tgttcgtttg ataagaatac ttctggtgat 420

gctgttgaca aagaagagta tcatgatgct gtaatggaat tctccagtgg agattgcaaa 480

gcattgaa 488

<210> 13981
<211> 501

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-B11

<400> 13981

nnggngngna acgttaaacn ntcacgcagn nctgtaagaa gtcnagggtc gacngacncg 60

tccgctccct canctccggt tccacagtaa agaattgatt cctcaatctc acgcggaagc 120

aaaatccaaa ttctaaaatt ctaagaaacc actctaatca catcgctcta tcgatcaaaa 180

tcgaaaccct tattcaaaaa tctcttattt tttccatttt tctctcaatc atctgaatcg 240

gttttgagat gagctccgat tcaccggcgg ctggagacgg tggcgaacaa gccgctgcgg 300

gaacaagcgt gccttcacct tcatacgana aacagaagga gaaggcacgt gtgagtagaa 360

catctctgat actatggcac gcgcancaaa acgacgcagc tgcagttcgg aaactcttgg 420

aggaagatnc ggacgttggt tcacgctaga gactatgaca aaacgaangc ctcaccacgt 480

ggcgtcgctt catggaaggg a 501

<210> 13982
<211> 371
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-G1

<400> 13982

ttctcatgaa gacagtcaaa aaatctcttt ttgtcttctc aaatttaaac ctcaccttta 60

atatttctcc ttacttttga agctgtaata atattcttga atctattcct ttctttctct 120

ttctcatgtt taatcggtga aggctttact ctgtttcttt catcatgttt caatcaaaag 180

ccttaacttt ttctttagct ctttccatta caagagacct ctagcttcat actttttana 240

ananttctct ctttttctca gtttaagtct caaganatgg tttcaagatn gtattcagat 300

ctgttggagt tagcttcang agactcacna acgtttggac gcatgaaacc tgananatcc 360

ncacgannnc a 371

<210> 13983
<211> 480

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-G3

<400> 13983

ggntntngna gcatttctag ccgggtcggt ancggancan gnattcgggg gtcnacgcac 60

tcgtccgacg cgtgggggan cctaaaaaag cttccttttt gggacgaagt ttcttngana 120

atttgtgatt ccgattctta nggttttcac caagcgttcc ttcgcgacga gctctcaatt 180

tttgaggtta ttgatttctt cttctgatcg aattttccgt atctgctagt gaattcttct 240

ttctcagctc agggtttctc aattctccgt tctcgatctc ttgatacgat cgatctttcg 300

aattgaatcc atttgtcaat ttttcgttgc antctcnttg gcggcgcaat catcatagac 360

tttgggggat cgcttgtaat gngacgaatt tcacngtttg gtatctttta cttgcctgaa 420

ttgaccaatt cgacttttan atngaagact ctaatnnggt tttgtgttgc caanggangg 480

<210> 13984
<211> 285
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-G4

<400> 13984

atagaanttc tcgctttggt anaggaaact tgttgtctgc aaggaaatgg ttgagcngat 60

ggtagttgan aactaacctc agttttcctc gtacttgttc agctcttttg ttaacatata 120

aggtttcaca tgcccatggg gaggtggtct tctcaatgag gtcttcnctt tggagttggt 180

cgacttcttc gagagcaaga ttatantggt ttggattcat tcctggaagg cttgcttntg 240

ttggatgaca tcctcattcn tcttgaatgg taannanang aacaa 285

<210> 13985
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-G6

<400> 13985

nnngggnnnn tngngcattt ctacgccgnn cggtaccgga cnagaattcg cgggncgacc 60

cacgcgtccg cttcttccta gattccagcg acttaacaac aacaacaaca acatattctc 120

tgctgggtat tagattcgaa tttctctttt tgtgatcaga aatggatcga gctccggtga 180

ccacaggacc gttggatatg ccgattatgc acgacagtga tcgatatgac ttcgttaagg 240

atattggttc tggtaatttc ggtgttgctc gtcttatgag agataaactc actaaagagc 300

ttgttgctgt caagtacatc gagagaggag acaagattga tgaaaatgtt caaagggaga 360

tcattaacca caggtcacta aggcatccta atattgtcag atttaaagan gtcattttga 420

cgccgactca tctggctatc ataatggaat atgcntctgg cngtgaactt tacgagcggg 480

attnca 486

<210> 13986
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-G8

<400> 13986

nnggggnnnn tggnagctnt tcnagccgct cngtaccgaa ctgaaattcg cgggccgacc 60

cacgcgtccn ctttctccga tcgccggtta gcagattcaa gcgagatacg agatccgacg 120

agcagatctt ctgcttaatc tgtanacatg cctctcagac tagatatcaa gagaaagttt 180

gctcaacgat cagagagagt caaatctgtt gatctgcatc ctactgaacc atggattcta 240

gcaagtttgt attctggaac cgtgtgtatt tggaactacc agacacagac gattacaaaa 300

tccttcgagg tgacggaatt gccagttagg tcggccaagt ttattccgcg caagcaatgg 360

gttgtggctg gagcggatga tatgtacatc cgtgtataca attacaatac aatggacaag 420

gtcaaagtta nttgangctc aatcngatta cattaggtgt tgnagntgtc aaccgaccct 480

tccatt 486

<210> 13987
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-H10

<400> 13987

nnnnnnnnng gnnnnnnngn ancnttcaac tttcccgcnc cgtaacggtc aaaattcccg 60

ggncgaccca cgcgtccgtg ttgagttaac tggggagaca ttattggatc ttaagttgct 120

tgagaaaggt cagataatca taagtactcc tgagaaatgg gacgctctgt cccggaggtg 180

gaaacagaga aaatatatcc agcaggttag tttgtttatc gttgacgagc ttcatttaat 240

tgggggtcaa ggtggtcaag tgttggaggt aattgtctct agaatgagat atatttcaag 300

tcaggttggg aataaaatca ggattgttgc attatcaact tcccttgcaa atgccaaaga 360

tcttggagag tggattgggg ccagttcatg tggcgttttt aacttcccgc ctaatgttcg 420

tcctgtccca ctggagatcc acattcatgg ggtggacata ttgagttttg aagccangat 480

gcaggcgatg actaaaccaa 500

<210> 13988
<211> 90
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-H4

<400> 13988

tgtttctccc antcgatccc ggtgttgttc ttctccgaca ttgctttcgt ccccgacgaa 60

gctanccgaa gggttttacc tggaacgana 90

<210> 13989
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-H5

<400> 13989

gtggtatcag caaggcctct cgggtcatca atattagtga agatatattt gctggtttca 60

acacaactct acgtcaaggg aatgttactc atcatgagta tattcaggtg ggcaaagggc 120

gagatgttgg gctcaatcaa atagctctgt ttgaagggaa ggttgctggt gggaatggtg 180

aacaggttct tantcgagat gtatacagac ttggccagct ccttgatttc ttccgtatga 240

tgtcattctt ctttacaacc gttggcttct atctatgtac aatgttgacg gtgcttactg 300

tgtatatttt cttataaggg aaggcatatc tggcactttc cggaatttgg agctactaat 360

cgagaaagaa ncaatcctcc tgggacgata ctgcacttaa ccccgccttg a 411

<210> 13990
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-H7

<400> 13990

gnnnntngng catttcnang ccgntcggta ccggacacna attcncgggt cgacccacgc 60

gtccgcggac gcgtgggcgg acgcgtgggg ttcaacattt ggcggagtca aagaaacaga 120

gtgattctct gatccgattc cggcgaaaga ggacgaaaca aacggaactt gttcatcatc 180

ttctccagaa atgacgtcgt ttcaggtgat gcgttcttca aattcgagaa actcggatct 240

atctcgtcgc atctcttctg cttctacttc ttcttcgtct ataagacctc aacaacagtt 300

ccggcgagat ctaacaagtg tcggttacgg cggaagaaac gacggattat acagttcaaa 360

ttcgatgacg gtcgaaggga ttttacacga tactttcgca tcaagatcca ccaagcacca 420

acggaatctt cactccttaa atgcgtcgat aaatctgatg gatgcttctc caacaacaat 480

ggga 484

<210> 13991
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-A1

<400> 13991

tangcnggnc cggtagngtc aanaattccc gggncgaccc acgcgtccgn ccacgcgtcc 60

gcccacgcgt ccgcccacgc gtccgctaaa cctagaaaaa cgaaaacaca cgcggagttg 120

ttgttcctcc tctacggtaa cgggaatatc gtagttattg taattttgga aagctataat 180

ggcgaagaga gagattagta gcactctgag aaatctaaag tttatgcaaa ggtcttctct 240

gaaagtagag aagaagaagg ctgatgaaga agagcctaat gggagttttc cttcccttag 300

gactgttgca aagaagtgtg tggtcataac aagattggga tcctcagcca ggagcattgt 360

taggacgcat gtcttttcag tctttcaatc cctctatcga gaaattacat gaagaagcaa 420

taaacggtgg gaaatccctc aagctctaac aagtaatgga ggaaaaaaag tcntttagtg 480

aaccgggaga g 491

<210> 13992
<211> 116
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-A10

<400> 13992

catctggant atcacnaagt tctccaggcn tgaacaccag gaagcattac tccgatgtat 60

ttgtcgttgg aggttacaaa tggcgcatat taattttccc gaaaggganc aaangg 116

<210> 13993
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-A11

<400> 13993

cnttacgcct ccngtagncc tgtaanggtc atagnttcac gggnccatcc agcacgtcca 60

ccncaaaatc ctctaatgac aactaacgcg gttaacggaa ttaacccgga ccggtttcgt 120

gatccgacca ccgcgtggct tggacgtgac ggagaatggc gagtaatcgt cggaagctcg 180

acggacgatc gacgaggatt agcgattctt tacaaaagca gagatttctt caactggacg 240

caatcaatga agcctttaca ttacgaagac ttaaccggaa tgtgggaatg tcctgatttt 300

ttcccggttt cgataaccgg atcggacggt gtagaaacgt cgtcggttgg tgagaatggg 360

attnaagcat gtgcttaaag tgagtttgat tgagacattg catgaatatt acacgattgg 420

ggaattatga ttgtganaaa ngatgtttta cgtaccggat cntggggttt tgtgccaaaa 480

agaaatcagc t 491

<210> 13994
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-A2

<400> 13994

nngtgnngna acttctacgc tgntcggtgc ccgtccannn attcaanggg tcgacgcacg 60

cgtccgnacg ctttgggagt gaaaaagatt gcagtaccat ccctgcaacc gcttggttgt 120

ctccctccct tcacattcgt aacctcgttc cagcgttgca acgagacaca aaacgcttta 180

gttaacctcc acaacaactt attgcagcaa gttgtggcaa agctcaataa cgagactaaa 240

cagtcgactt tcatcatcct tgatctctac aatgctttct tgactgtgtt caagaacaaa 300

ggatctaatc cagggagtac aaggtttgag agtccattaa agccgtgttg cgtaggtgtg 360

aagccgcgag tataactgtg gaagtgtgga tgagaaggga gtgaagaagt atattgtatg 420

tgataatcct aaaactgctt tcttttggga tggacttcac cctacagaag aaggatggag 480

atcggtttac tctgttttac 500

<210> 13995
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-A4

<400> 13995

gntnnngnaa cttctacgcn nccggtgccg gtcaanaatt cangggtcga cncacgcgtc 60

cgnaagtatc ttaaatgtca taatggacgg tggagacagc gtcggaggag gaggaggaga 120

tgatcaccac cgtcacctcc accatcacca ccgccctact ttccctttc aactactcgg 180

aaaacacgac cccgacgaca accatcaaca acaaccttcc ccttcctcct cctcctctct 240

attttctctc catcaacacc aacaattatc tcaatcgcaa cctcaatcgc aatcgcaaaa 300

gtcacaaccg cagacaacgc aaaaagagtt attacaaacg caagaggaat ctgcggtggt 360

ggcagctaaa aagccaccgt tgaaacgagc gtcgacgaaa gaccgacaca cgaaagtaga 420

cggaagaggg aggagaataa ggatgccggc gttatgtgca gctagggttt ttcagctaac 480

gcgagagcta ggtcataa 498

<210> 13996
<211> 94
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-A5

<400> 13996

ngantaatac cttctcgtcg gctgagattc ccgatgtggc agaccancca cgcgaccgat 60

ttaaccccga agctacacag gatctacana agaa 94

<210> 13997
<211> 173
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-A6

<400> 13997

cccnaaaaag tacttaaagg tcaaaanttg gngtcgagaa aaagtcaatg gaaaagttcc 60

attgtcttgc ttctttcgtc ggagggctct ctttgggctt tccgaaaagg tatcacatgc 120

catgtttggc ctcacggtat anaagttana gagtcataaa gttttancca ggg 173

<210> 13998
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-F8

<400> 13998

nnntgggnnn ntngngcatt tctagcnntc ggtaccggac ncnaattcnc gggncgaccc 60

acgcgtccgc tttcattttc cctctctctt tcaagttcct tgttatttaa gaaagccatg 120

aatccgatta tctatttcta accctgggcc gaccagaaaa ctttttggac gacccaaact 180

tcaagggttc taataaattc atcaccggaa aaagatacat ataaaataaa aatctctcac 240

cactgctgat tcaaatggtg aatcttggga gctacgtttt cgtctttgtc gcgttgtctc 300

tcaccgtggt ggttccatcg gttcaagccc acatcgccga atatgatgaa tactggacgc 360

agcgtcaaac caacgcattg cgagaaactt tggaatctta tgacccgaac ccagagaacg 420

tcacggacca ctttaactac catgccgcct tanctatgga gacgacaggg atagttnaca 480

aacng 485

<210> 13999
<211> 56
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-B1

<400> 13999

acaggtgatt ctcatcaacg gacaattccc tngtcccaac ctaaactcaa cctcca 56

<210> 14000
<211> 146
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-C7

<400> 14000

aacacatata cngtcagtan tcattagttt gagggcacct acggaaagca agtaanacta 60

cagagggtan acgttccagt gcttaatgat gaaacatcat caagtacaag caaacgtgtt 120

tttcaacana cnccgtatca cnttca 146

<210> 14001
<211> 372
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-C8

<400> 14001

tggtgttgta tatgttggat ctacatcagt gtatctgaag ctggagttca ctgtgatata 60

attgcccgtg aactcaggat tccgctgctt caagtcaagg aagcgttaga acagctctca 120

aacgatggtt gcatatactc gactttggac nagacatgct tcaaatcgac tgctaacgct 180

tgatgaaaat tgatttatat gtcaacacat atcaatcctc ctctcatgtt caaaagtctt 240

ttgtatangc cctaaggtan gacaatatgt agttttaaga ctaaaantct ttcttatggc 300

ttttggattt ttttaaaggg anctaaactc aaaaagttca aaatcatttc gtcacttgaa 360

aannnangnt na 372

<210> 14002
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-C9

<400> 14002

ctttcaccgc cgcagttaaa aacctcgtgt gattcttctt cttcatatag attcccagaa 60

acatcgaaac tggtgaaccg tgtacgcttc gtcgttagtg atgcggagac gaaagatatc 120

gccggaaaat cattggccta gattcaatcc attagagact catcggagac gtctacgtta 180

gcgtacccaa tcctcctcct cttctgggtt gtttgctgat cacacatatc ttctttcttc 240

gattctctct cagggcgtgt cctgtgtaat cgtttagtgg atgtgcaatg caaaggtcgt 300

gtagaactag aagaagagtt tctgtgaaca agtttaatgg aaggaacagc ttttacaaag 360

tctctttgtc tcttgttttt ctcctttggg ttcttctctt cttttccanc ttgttgaata 420

atc 423

<210> 14003
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-007-Q1-E1-D12

<400> 14003

aaatttgtat gctttattcg atttaatgtc tttgatacac ttgttcttgt tgttgggtct 60

gctgagcctt gaagctgcgg cgtcgttttc accgggatcg cgctcgattc tccgggacat 120

cggcagtaac gtcgccgatc agaaagacaa cgctatcgaa ttgaacgcta ccaactttga 180

ttcagttttc caagattccc ccgccaaata tgccgtttta gagttcttcg ctcactggtg 240

ccctgcatgt agaaactaca agccacatta tgaaaaagtt gcaaggctat tcaatggagc 300

agacgcagta tatcctgggt gtcgttttga tgaccagagt tgattgtgcg ataaagatga 360

atgtaaaact ttgtgacaag ttcc 384

<210> 14004
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-D4

<400> 14004

aagaatcatc agattagtcg ccgtagatct gaatcaacgt cgtaacagta gcagaatttt 60

gcggtgaaac gatggttttg gttacgtctg tgcgtgatta cattaancgg atgcttcagg 120

acatctccgg catgaaggtt ctcatactcg actccgaaac ggttagcaat gtaagcattg 180

tgtattcaca gtcagagctg cttcagaaag aagtgtttct ggtggagatg atanattcaa 240

tatctgtgtc aaaagaatcg atgtcacatc tgaaagctgt ttatttcatc cntcnaactt 300

cagataatat tcagaaanta cgataccagc ntgcgaatcc tagatttgga gantaccant 360

tantttttctc aatctgttga aggatactca gaanccnatt tggctgattc c 411

<210> 14005
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-007-Q1-E1-D5

<400> 14005

tttttcgttt ttatccgctt gtttgatcgt tttctcacgt aatcaaacca aaataacaca 60

gatctaccac taaaatacat attcatgatc aaaaagaaga taattaagta gattctcatg 120

aacgccgatt tgttcaccga ttgagccaaa atcgcggcgg tccacgcaga aatagcgctt 180

ttttcgacgc ctagtcgacc gattagtccg atgtttagaa gcgtttgttt tagagaataa 240

ttatgccttc atttttgtca agtttgtttg gtttgggcat tcaagcctct tttagaatag 300

gtttggttct tcctcgagta gtagcatcta cagagagaca gatttcctct acggttttaa 360

aaagagcttc tgaaagtgtc tctttttcat tcgctccgta cataaatggg tttggg 416

<210> 14006
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-D6

<400> 14006

ccttctgcat tgcttttcct tccttttgga ggaattttta ggtctcggag ttttgatttc 60

gacctttaaa ttttgcttca gaggagagat tctatccgtt acagttcgtg aatttcgcgt 120

ttgaagaact tgaacttgat tctgaagaat gtcaggtcga gaacaaacag gagagaaact 180

atcagattct gagtacatag aagaagagcc acggcgttct agaattggga atttgaagaa 240

gaaggctttt agttgttcaa ctaaacttac acatcctttg aagatgagaa aaggcaaacg 300

taaaatcgat ttccagattc ctttgattga ngatgttaga gatgagaaag aggagaagcc 360

ttgtttctaa attgcgtcaa caaacttctt cagaaagatt tgttgcctc 409

<210> 14007
<211> 89
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-D7

<400> 14007

tgcngataaa ccacagtttt acgagaataa ngattctgtn tctccggtgg agggatccgg 60

cgcggcggcg atgaacgtca catcncctg 89

<210> 14008
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-D8

<400> 14008

aaaaccagat caagcttctt tcaccatttt cactcttctt taagctttct ttcttaattt 60

ctctcatttc gaattttaaa cacaaaacct aaacgatgcc tgaggcacca aagatcgcag 120

ctttggaggt ttctgatgag agcctcgctg agaagaacaa gaacaaactc caattcatcg 180

aagacgtgac cacgaacgca gatgatgttc agagacgagt tcttgaagag atcctttcac 240

gtaatgctga tgtggagtat cttaaacgac acgggctcga aggacgaacc gatcgtgaga 300

ctttcaaaca tatcatgcct gtcgtaactt acgaagatat tcaacctgag atnaacagaa 360

tcgccaatgg gtgataagtc tcaagtcctc tgttcnaacc cat 403

<210> 14009
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-D9

<400> 14009

ncaattcttt gttgtttatc attgagttgt atagtaaaag catcagtctc ttatgatcgt 60

aaagctgtga tcatcaatgg acaaagaaga atccttctct ccggttccat tcactatcca 120

cgaagcaccc ctgagatgtg gcctggccta atacagaaag ccaaagaagg aggcttggat 180

gttattgaga cttatgtttt ttggaatggc catgaacctt ctcctggaca atattatttt 240

ggagacaggt atgatttggt taagttcatc aagttggtgc accaagctgg tctctatgtt 300

aatctcagaa ttggcccttа tgtttgtgct gaatgggaat tttgggggat ttccggtttg 360

gctcaaattt gttccccggt atggctttta agacggataa tgaacctttc aaggctgcaa 420

tgaanaaa 428

<210> 14010
<211> 362
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-E1

<400> 14010

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gagaagccca aggcttcgaa tagagcacca tcgaaccatt accaaggagg aatatcgttc 120

cacaaatcga aagggcaaca tatccttaat aaccctctgc ttgtggattc gatcgttcag 180

aaagctggta tcaagagtac cgatgtgatt ctcgagatcg gtcccggtac tggaaacttg 240

accaagaagc ttctanaagc tggcaaagaa gttatcgccg tcgaacttga ctctcgtatg 300

gttctcgagc ttcagcgccg ttttcaanga actcccttct ctaaccgctt gaatgtaant 360

ca 362

<210> 14011
<211> 68
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-E3

<400> 14011

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gtacncaa 68

<210> 14012
<211> 189
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-E4

<400> 14012

ntttcttcac gcttctccca taccctctta cctatcttct tattcttctt atatttctcc 60

atcgatctcg aacaaaggat tcacctttgc attcagattc tttatcttga cttcanagtc 120

ncatctccga ttcgataaac acattgggga atggatgctt gctttcgtct tnctcancag 180

atcngaanc 189

<210> 14013
<211> 424

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-E9

<400> 14013

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ttcgctgcac ttggattcat gtcgcctgcc tcaagaggaa tgctactaac cgggatgatt 120

attctctatc ttttcttggg tattgttgct gggtacgctg gtgttcggct ctggagaact 180

gtcaagggga cttcagaagg atggagatca ctttcctggt ccattgcatg cttcttcccg 240

ggtattgctt ttgttatact cacagtgttg aacttccttc tctggagcag caacagcact 300

ggagccatcc caatctcttt gtattttgag ctcttggctc tctggttctg catctcggtt 360

cctctcaccc tatttggagg attcctaagg aacacganca gaagcaatcc anttcccagt 420

gaga 424

<210> 14014
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-F10

<400> 14014

gaaaccttat cttctccgcc catggccgcc ttctccgtca acgggcagct tatcccgacg 60

gcaacaagct ccactgcttc cacctctctc tcttcccgtc ggaaatttct ctctccttcc 120

tcgtctcgtc tccctcgcat ctccactcaa tctcctcgtg tcccatcgat aaaatgcagc 180

anaagcttac ctaaccgaga tacagagact tcctcaaagg attctctcct taaaaaccta 240

gctaaacctc tagccgtagc ctcagtctcc tccgctgctt cattctttct gttccgaatc 300

tcgaatcttc cgtcggttct gaccggtggt ggaggaggag gagatgggaa tttcggtgga 360

tttggtggtg gaggtggtgg tggagatgga aatgatggtg gattttgggg gaaattgtt 419

<210> 14015
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-F11

<400> 14015

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atgtancggc cgcggcagtc tgggggaaac ttggttatgt tgtttaaagg atgcagacgg 120

tttgtgagaa caacgtgtcg cgtttcgatc cctgntggtt ctttggggaa tgantcaaaa 180

gcanctccaa ngtttcngan ggataaaaag attgttccan atgctgatcc ccccaatatg 240

gaagatatcc acaagttgta tcgacttttt gagcaaagct cgagacncac catcntgant 300

ggagctgggg ttagcacaga atgtggaatt ccggattaca gaantcccaa tggagcatac 360

agttctggtt tcaaaccaat tacccatcan gtgatctgaa tgaatttact cnatca 416

<210> 14016
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-F12

<400> 14016

cttcttcaag cttaaagatt ttgtgtatcc tcgttcttgt aatggaaatc tacaccatga 60

aaacgaattt tcttgtactg gctttgtctt tgtgtatcct tctttcaagc ttccatgagg 120

tttcttgtca ggatgatggt agtggtttga gtaatttgga tctaatagaa cgtgattatc 180

aagatagtgt caatgctctt caaggcaagg acgatgaaga tcagtctgca aagatacaga 240

gtgaaaacca gaataacact acagtgactg ataagaacac tatttctcta tctctatcag 300

atgaatctga ggttggatct gttagtgatg aaagcgttgg acgttcgagt ctgttggatn 360

aaatcaaact tgaattcgaa gctcatcaca atagtattaa cc 402

<210> 14017
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-C3

<400> 14017

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gcttctgtct cattgcaaac ttcttgtctg gcaacaacaa ggattagttt ccaaaagcca 120

gctttgattt ccaaccatgg aaagactaat ctanccttca acctccgccg ttcaatccca 180

tctcgccgcc tctctgtttc ttgcgcggca aaacaagaga cgatagagaa agtgtctgct 240

atagttaaga agcaactatc acttacaccg gataaaaaag tcgttgcaga aaccaaattt 300

gctgaccttg gagcagattc tctcgacacg gttgagatag taatgggttt agangaagag 360

tttaacatcc aaatggccga agagaaagca cagaagattg ccacagttga acaagctg 418

<210> 14018
<211> 344
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-F6

<400> 14018

gnnngggnnn ntngngcatt tcnacgccgg tcggtaccgg acncnaattc ncgggncgac 60

ccacgcgtcc ggtcttggac cacatcgtta atcaatgttg tttgttgttt gatgtttact 120

ttttttttt actcagtttt gaaaattcga taagtattct agctctagaa ttccatatct 180

aggttttttg ttttctccta gatagtctga agaatcaatt gtaatggtct gtggaattac 240

acggaaacag ttttgttgta ataatggagc atcagttttc tttggttgaa tgaaaaatca 300

taatttttt gactaaaaaa aaaaaaaaaa antaaaaaaa aaag 344

<210> 14019
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-H8

<400> 14019

gaaagagaag aacaaaacat catcatatat tctattgact agattaattt cntctaagtg 60

caaaagagga gaaatggagt caatgaagat gaagctcata gtggtgttga tggtggctat 120

tgtggctttc tccgccgtag gaaacgtggc tgcncgtaca gaggctccgg ctccaagtcc 180

tacttccgat gctgctatgt ttgtcccggg attgtttgca tctgttgctg ctttggcatc 240

agggtttctc ttctaaactn ttctcaacat tcattgagtt aanggtccaa aatggtttgg 300

cctttnactt ccgttaagtc ctaatggcat gagcttttt gttaatttgt tctgtaataa 360

tttgggacta actaatgttg ttggtgttgt aataatgaat tcaataaatt aataacnata 420

atttaaangg gntttgaatt tccctttccc aaaaaaaaaa a 461

<210> 14020
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-H9

<400> 14020

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cacgcgtccg naaatctctc tttctctcaa actctctcaa caacaacaat ggcgtctctt 120

caacaaactc tattctctct tcaatccaaa ctcccaccat cctccttcca natcgccagn 180

tctctcccac tccgaaaaac cttcccaatc cgaatcaaca acggtggaaa cgccgccgga 240

gcaagaatgt cagccaccgc agcatcangc tacgcgatgg cattagcaga cgtcgcgaaa 300

agaaacgaca caatggaatt aacagtcaca gacatcgaga agctcgaaca agtcttcnca 360

gatcacaagt actaaacttc ttcgcgaatc caacaatcac cgtcgagaaa gaangtcaag 420

tcatcgacga tatagtgaaa tncgtcgtcc tncatctcaa aatctaattc ctcangtctc 480

gtcnangnga aa 492

<210> 14021
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-A10

<400> 14021

ttctcttggc agtttttttt gttgtttgaa gatggtgtca catgaagaga acacaagtat 60

tgtggaatgg tttcttggtc cacatccata cacgtatccg ccttatggta ttgagatgat 120

tcatgaggat gatgaagtan cagtanctca tcancatcat catcaccaga gcggtgagta 180

ttacagagag tatgaagatc atcgtantag cgatgtngat aacgatgaga tcattgctan 240

aactctccaa gacgattttt tgcagcttga aatcgcagaa agtaacgatt attcgcatca 300

gaatcaacaa caacaacatc aacaagaagg ttatactaac aactatacgt aataacaaca 360

atggttatgc ttggaatgat cagtctcctg ctgtggatta ntcctcacaa tggntaggaa 420

natgataatg atcnag 436

<210> 14022
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-A11

<400> 14022

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ttgattggtc ggctctactc cgaaatcgtc tgactttcac agcagcgatg ttcggctctt 120

acgtcccgtt ttaatcgggc tctcgttcgg cacctccagc tttttcagtg aagatgaccg 180

actcttttcc cgacagcata cggctccatc agcggtgttg gtcggatttt agttttactt 240

tggccataga tgagttactc tcacctttg gtctttgttt tcccttcaat aatttcagca 300

attatgtgtt ggtgataacg atttaggtgc tatgttgctt aaactgttga ttatccgact 360

catgttgttt gaagcttggt tttacaggaa ttattantaa tatttgcagt ttataattga 420

agagaagaa 429

<210> 14023
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-A2

<400> 14023

ttttttgcat ctttctcaaa atatatcaaa ggagacttca taaagaaaga atctttagtg 60

tggagagact aaaaggacac cacaagctta tttcataaga aacttcaaat tagaatcaga 120

aacaagagca tccttcttca tttacacagg taaattaggt gtaaaaatgg tgatgagaag 180

tgtggatcta cgatcagata ccgttactag accgacagat gcgatgcgag aagcaatgtg 240

taacgcagan gtggatgatg acgtcctcgg atatgaccca acggctagac gtcttgaaga 300

aggagatggg ctaagatgat gggggaaaag agntgctctg ttcgtgccaa cccgggacaa 360

tggggaatcc tgatnangcg tgatgggtca actgcgaacn ttagaaggca ccnaaggtga 420

atcctgggng aacaaattgt cacaatccat gttttacaaa 460

<210> 14024
<211> 522
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-A3

<400> 14024

nnnnnngacg ttccttgcct gccgtccgna actcaangnt cgactcacgc gtccgaatag 60

agcagacatt cttgactctg ctttgttgag gccaggacgg tttgaccggc aggtaagtgt 120

tgacgttcct gacgttaagg ggagaacaga tattctcaag gttcatgccg gcaataagaa 180

gttcgacaat gatgtttcac ttgaaataat agcaatgaga acacctggat ttagcggagc 240

agatctcgct aacctcttga atgaggctgc tatattggcc ggaaggcgag cacggacatc 300

gatatcatct aaagagattg atgactccat tgatagaatc gttgctggca tggaangaac 360

agtgatgacc gatggcaana gcaaaaanct gggtaacctt accaatgaat ttggtcatgc 420

antgtgttgg aacattgact ccaaggaaat natgctgttc caaaagttac gttgatanca 480

anaaggcaaa ncaagaagtc cgacttggtc aattccacaa aa 522

<210> 14025
<211> 539
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-A5

<400> 14025

nnntngngga antgttttcc ttgccctgcc ctcnggaaan caaantccng ggtcgaccca 60

cgcgtccgat ggactgtggg aacatatgag caaccaagaa gcagtagaca tagtccagaa 120

tcatccgcga aacgggatag caaagcggct ggtgaaagta gcgctacaag aagcggcaaa 180

gaagagagag atgagatact cagacctgaa naagatagac agaggagtga ggagacattt 240

ccacgatgac atatcagtga ttgttgtctt ctttgataca aacctagtga gcagagggaa 300

gtatgttgaa gaggacaagc cgtgtcagtt gagaaggagc ggttgtgatc tactcacanc 360

accctggcgc cttgcaccac gcccaacncc aagctgctgc tgctggcgcc tcctgacaat 420

tgaattttta ccggtgtcct taaaattctt ccaagattcc ttcctggtac ctanatggta 480

nnnttanata ntttgnttnn taattatcat tgactgggga aaaggattnt ccaccatcg 539

<210> 14026
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-A6

<400> 14026

attgatcagg cttgtcaagt ttttgaagat atgaagaaga ggcattgtag aagagatgag 60

tatacttaca cgattatgat caggactatg gggaggattg ggaagtgtga tgaagctgtt 120

ggtttattta atgagatgat tactgaaggg cttacgctta atgttgttgg ttataatact 180

ttgatgcaag ttcttgcgaa aggcaaaatg gttganaagg cgattcacgt tttctctaga 240

atggtggaaa cgggttgtcg gccgaatgaa gtatacgtat aatcctcttt tgaatccttt 300

agttgctgaa ngtcaacttg tgaagttaga tggagttgtg ggagaattcc aaaaggtata 360

agactcaagg gatanaatcc taattngtta aaacgttnaa caagttaagg catttantta 420

agctcacaag ctgttttgtg anaagtngaa cc 452

<210> 14027
<211> 71
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-A8

<400> 14027

tccggtctgc gtatgattaa tatcggtggg gaagcatcgt tcttcgatgc tgtagctgca 60

caaatcagnc c 71

<210> 14028
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-A9

<400> 14028

gggaagcgat ggatactgcc agagcatggc tgaagaaatt aaagtctaaa gggaaagaga 60

aatcttcgaa taagaaggaa acttctagag gaaatgttaa ggagggatca aaaacagctg 120

gaggtgaaga agctgtgtct aatgtgacaa agcagaaggc tgctgctgcg aaacagtata 180

ttgaaaatca ttacaaaaaa caagttcaaa gtcagcagca aagaaaagag cggcgtgata 240

tgctggaaaa taagttagct gctgcagaag tctctgagga agagcaaaag aatctgctta 300

aggatctaga gaagaaggaa actgaataca tgcgccgtca gagacataaa atgggaactg 360

atgacttcga gccattgaca atgatangaa angggggcttt ggagaagtta ggatatgtna 420

gggagaagac acagg 435

<210> 14029
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-B1

<400> 14029

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gctgctccac cacatccgcc gcccattcat caccatcctc ctcctcctcc tgttttagtt 180

gacaaccata atcgtcctcc ttatgacgag ctgcggacaa tcttcatcgc agggcttccc 240

gatgatgtaa aagagagaga gcttttgaat ctcttgagat ggttgcctgg ttacgaagct 300

tctcaagtga acttcaaggg aaaaaagccc atggggtttg ctcctttcnc canagctcag 360

tttgcaatng canccaanag ataaccctca gcatatggtg ttttgatgcn naantccaaa 420

gttccgttga nacattcnng agaatgggcc caagaaanaa tncnttttttg tt 472

<210> 14030
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-B11

<400> 14030

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gaacaagtgg aaatgccgtt ttggtggcca ctgatcgtcc tcgccttcgc ttacgcgatn 120

tgcaagttcc ttcttatgct cattcctccc aatgttcctt ccattnacgt tgacgcatcc 180

gatgtgttgg ctcatgggaa agatacggag gagaatagct tcatctatat tcctcccaga 240

ggaaggagcc aacagtctga caaaaaagtt caatgttatg aacctgccac aatgaaatat 300

ctgggatatt tccctgctct gtcgcctact gaggtcgaag agcgcgtaac actatcaagg 360

aaggntcaaa agacatgggc tcaaagtaac ttcaagctta gaangcagtt cntgcggatt 420

cctcctaagt acaataat 438

<210> 14031
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-B12

<400> 14031

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ctcttatggc catactcgta atgacatctc aaggaaggat tccaacagaa ggaggagaga 120

aagaagcaga ggctgacaga attacgtcac ttccaggtca gcctaacgtc acgttcgagc 180

agttttccgg ctacgtcacc gtcgataaac tctccggaag atcactcttt tattggctca 240

ctgaagcttc tgacctccct ctctccaaac ctctcgtaat ttggctcaac ggaggaccgg 300

gatgttcgtc ggtagcgtac ggtgcgtcgg aggagattgg accattcang ataagcaaag 360

gtggttccgg tttgtatctc aacaaagttc gcatgggaac tcaatctcca atccccttgt 420

tcctcgaaa 429

<210> 14032
<211> 533
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-B3

<400> 14032

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acgcgtccgt ttctctctca gcttacgaac aagaaaaaaa gaagaatctt tagccacctt 120

tgagatcaaa agatgaacat cgctcacact atcttcggcg ttttcggaaa tgcaactgct 180

ctgtttcttt tcttggctcc ttcgataaca ttcaagagaa tcatcaagaa caaatccact 240

gaacaanttc tctggtatcc cttatccaat gantctcctc aantgtctcc tctctgcttg 300

gtatggactt ccctttgtgt caaaagacaa cacacttgtg agcacaatca atggcacang 360

agcagtgatc gaaacagtct acgtgttaat ctttcttttc tacgcaccat agaaggagaa 420

aattangatc tttggtatcc tctctttgcg ttttggctgt attcgcaana ataactcncg 480

tctctcncct ttgccctnaa ggaaacggtg gaaaactcnt ttggtggtcn cga 533

<210> 14033
<211> 71
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-B6

<400> 14033

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ggntaatcat g 71

<210> 14034
<211> 444
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-H6

<400> 14034

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aaaagctttt agctccagat ctgtggaacc gccatagcta tggagtttta tagnagttct 120

agaagattac aaattcttgg atctgtgatt cttcggctct ctcntcangt cgctcactct 180

ttttaccttc ctggggttgc tcctcaggat ttcgncggag ggagatgaat tgaaagtgaa 240

agtaaanaag ttgacatcta taaagactgn gcttccatat tcgtattact ctcttccttt 300

ttgtcgtcct aagaagattg tggacagtac tgagaatctt ggtgaagttc tcgtgnggga 360

ccgaatcgaa aatgctcctt aatcgtttaa aatgcgtgag gngcaaatgg ggtantgttc 420

tcggncngta agcttggatg cana 444

<210> 14035
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-G10

<400> 14035

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cggtgtcgtt gttcctctcc taaaacctcc atcaatcacn atctctttac acagagctct 120

aaccanaatc ttcgagagat ggggcagagt atgagctgtg gaagtcgacc ggagcacgga 180

atattcgcct ctgtacantg cggcgatatn atcacgatcc gtcgtgtgat ggcgacggag 240

cctagtctgt tgaatcaaac tactccttat gatcgtcact ctgttcttca tgtcgctgct 300

gctaatggtc agatcgagat tttgtcattg cttttggaac gatttacgaa tccagatttg 360

ttgaatccgt cacaaagcaa gactccgtta atgttggtgc natgtttggg aanaa 415

<210> 14036
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-G12

<400> 14036

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cccgttttaa tcgggctctc gttcggcacc tccagctttt tcagtgaaga tgaccgnctc 180

ttntcccgac agcatacggc tccatcagcg gtgttggtcg ggttttagtt ttacnttggt 240

cataaatgag ttactcccac cttttggtcc ttgttttccc ttcaaataat ttcaagcaag 300

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gttgtttgna ccttggtttt acanggattt attnntnang atttgc 406

<210> 14037
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-G2

<400> 14037

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acttgaagta gtagcagctc tcctctcctc tccattgttg ttntgtgact caatggcggt 120

tcctgtagag gaagcaatcg cagctctttc cacattctcc ttagaggatg agcaaccaga 180

agtccaagga ccggctgtga tggttcagct gaaagagcag caaccgatag tcccatcgaa 240

tatagtgacg tcgctctata ccggttgtct ctatcagaag acacaaaagc tcttaaccag 300

ctgaatacac ttatacaaga aggaaaagag atggcgtcaa ttctncncac atatagaagt 360

tgtgtcaaag cactgcctca acttcccgaa tctatgaagc atantcaaac cgatttgtat 420

cctanaaaca tat 433

<210> 14038
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-G3

<400> 14038

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tggatangaa gacaaagatg aattcatgtg agacaaatgt ggtcttcagc gagtttcagg 120

actggcttga gaaacatgga gattacgaag ctatagtaga tggagcaaat attgggctct 180

accaacaaaa ttttgtagat ggcagtttca gtctttcaca gccttgaatc tgtgatgaag 240

gaactttacc gtgaaagtgg taataacaaa tggccccnaa ttctattgca caagagacgg 300

gtcaagaccc tttagaaaac ccaactcacc ggaatcctgg ttgaaagaat gggttaataa 360

ccgtgtncgt gtatgcaact ccaacaagtt ccaatgatga attggtaatg gctgtaagcc 420

gccggcaaac ncaaatgttt tgccttgtga caaaatga 458

<210> 14039
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-G6

<400> 14039

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ctactcttat atcacaaaat ctccacgaaa gcgctactcg aagatnctgt cttttcaggt 120

cgtttatgta ttttctcttg aaggaagaga ttagntctta atacaaaatg tctgggtcaa 180

caaaagtatt ggntcctgcg tttcaaggan gggggcagaa accaggtact gaaatctgga 240

gaatcgaaaa ttttgagcca ggcgcagtac caaagtctga acatggaaag ttctatatgg 300

gagataccta cattgtcttg cagaccanac agaataaggg tggcgcttat ctntttgata 360

tacatttttg gattgggtaa agatacaagc caagatgaaa ctgggaacaa caantgtcaa 420

agaacagttg aacttgatgc ag 442

<210> 14040
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-G7

<400> 14040

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ggctgttttg agcaaacgct gtgataaaga ggctttcttt cttgctagca agtanacacg 120

agtgacatgg cggcatcaac ttcaacccga ttccttgttc tgctcaaaga tttttctgcc 180

ttcagaaaga tatcatggac ttgtgctgca actaattctc accgccaatc tcgtttttta 240

tgccatgttg cgaaagaaga cgggtctctn antcttgcaa gccttgattt ggggaacaaa 300

ccacggaaat ttgggaaggg taaggcgatg aagcttgagg gaagttttgt tactgaaatn 360

ggtcaaggta angtaagaac ggtaaagaac gataaaatga aagttgtcaa ggaaaaaaag 420

ccagctgaaa ataatgtctc cnttggtt 448

<210> 14041
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-G8

<400> 14041

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gaggatctgt cttgaggagt ttttttttgg ttgagaaatg gcttcgaaaa gnctcttgaa 120

agagctcaag gatctccaga aggatcctcc aacttcctgc actgctggnc cagttgctga 180

agacatgttt cattggcaag ctacaataat gggttcntct gatagtcctt attcaggcgg 240

tgtctttctc gtaaccattc acttcccngn ggattatcct ttcaaaccac caaaggttgc 300

attcaggaca aaagtgttcc accctaatgt caacagcaat ggaagcattt gccttncnat 360

tttgaaagaa catggantct gcactcacat atcgaaggtt ttgctttcga tangttcatt 420

gttaaangga ccaaacca 438

<210> 14042
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-G9

<400> 14042

tagatttcct ttgctccttc gttctggcca tggcaatggc aaaactcgca attttcacca 60

ctcttatggc catactcgta atgacatctc aaggaaggat tccaacagaa ggaggagaga 120

aagaagcaga ggctgacaga attacgtcac ttccaggtca gcctaacgtc acgttcgagc 180

agttttccgg ctacgtcacc gtcgataaac tctccggaag atcactcttt tattggctca 240

ctgaagcttc tgacctccct ctctccaaac ctctcgtaat ttggctcaac ggaggaccgg 300

gatgttcgtc ggtagcgtac ggtgcgtcgg aggagattgg accattcagg ataagcaaag 360

gtggttccgg tttgtatctc aacaagttcc atggnactca atctccaatc tcct 414

<210> 14043
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-H1

<400> 14043

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caagaagatt aggatcggaa tcaacggatt cggaggaatt ggtcgtttgg ttgctagagt 120

tgttctccag agggacgatg ttgngctcgt cgctgtcaac gacccttca tcactactga 180

gtacatgacc tacatgctca agtacgacag tgttcacggt caatggaaac acaatgaact 240

caagatcaan gatgagaaga cccttctctt cggtgagaag ccaagtcact gttttcggca 300

tcaaggaacc tgaaggatat ccccatgggc ccgaaggctg gaannggact aacgttgttg 360

agtccaactg ggtgtccntc aactgaacaa angacaaagg gntgcaagct caacttnnaa 420

ggggtggtgg ccaaagaaan ggtttgttat 450

<210> 14044
<211> 95
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-H10

<400> 14044

ccaattccaa naagaggtct aattgtttat ctttatctct cgataagcnt ttcttcantc 60

ccttatctct tgttcgtaga actcgtcgtn tccat 95

<210> 14045
<211> 112
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-H11

<400> 14045

aacancaacn acatcaacaa gaaggttana ctaacaacta tggtaataac aacantggtt 60

atgcttggna tgatcagtct ctgccgtgga ttatcctcaa aatggtaagg aa 112

<210> 14046
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-H2

<400> 14046

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tatcaagcgt tgagccatgg gtattanaaa gtcggaaatt tgaaagaagc nctngcggtt 120

aaagagtata tggaaaggaa aggaatcttc cccaccatag agatncgtaa cactctgata 180

tctggtgctt tcaaatatag acacttgaat aaatcatcgg atcttgtgat cgagctacgc 240

gcaagaggat taactcctac tgttgcnctc atatggtgct ctcatcaacg gctggtgcaa 300

tattggaatg atagataaag gtacgcnaca tgtttcgaaa tgataagaga aagggaatan 360

cttaaatgtg aatatttgca ncaaagaatg caaataattt ggttccgtcc tnataagaat 420

gatgaagctt gtttgccaat tgcaaaaaaa ttgtggattt tgatctgctt cctcccgggt 480

accaaaaagc ttgaaagant t 501

<210> 14047
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-H3

<400> 14047

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agaaagtttg tagcggacgg tgtgttctac gctgaattga atgaggttct tacaagagag 120

ctagcagagg atggttactc tggtgttgag gttagggtta cgcctatgag gactgagatt 180

atcatcagag ctacacgtac tcagaatgtt ctcgntgaga aggggaggag aattagggaa 240

ttgacttcct tgttcagaag agattcngnt ttccagttga cantgttgan ctttatgccg 300

aagaaggtta acaacaagan gtcctcctgt gccatccgct caaggctgaa tccttacgtt 360

tnccgtcctt ccntggtggg ccccnctgtt ccctaagggc ntggctaatg gtgttgttta 420

agggnttggt taatngga 438

<210> 14048
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-H4

<400> 14048

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acttaacgaa atggtgtgta gtgcttgtgt tgttgtgttt cgggtttagt gtagtaaaag 120

cacaagcaca agctcaagtt ccatgtttct ttgtttttgn cgactctttg gttgacaatg 180

gaaacaacaa cggtcttatt tctattgcaa gatggnaatt acttccctta cggtatcgat 240

ttcggcggcc ctaccggccg tttctcnacn gcaagactac tgttgatgtg atcgctgagc 300

tacttggatt aaatgggcaa aatccctggc ttaaaanacc ggtgaagttg gccgggaanc 360

tggctcctcc gggagtttaa ataacccntt ccgcnagctg gctgggaatn ccggggaaaa 420

aaancgggtc cgaaaaantt gggaacaaan ggntaaancn tttaat 466

<210> 14049
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-H5

<400> 14049

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acggtggtga attttctata cggtcagttc gatcctcttt ttatcgacaa tcctacacaa 120

atccataatc atggccgcca ctgcttcctc cgaagcttct ganggaccag tgatgggtct 180

catcaacaag cgtctccgtg ctctccgtaa gaaatcnaac cgaatcactc aaatggaaga 240

atcgatttct caaggcaaaa ccctaaangn ngagcaagaa gaagtcctcc gctctaaact 300

gccgtcgtca tcctaatcga cgagcttgaa aagatcntgc tcctctctcc gccgctgtga 360

canaggaaat cagcctcgct actcagctta accgtgcttc atccgatnaa acaacgcatc 420

tgagcaaaag gaantcactg att 443

<210> 14050
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-G1

<400> 14050

ttgtgttctt gtttagaaga agcaatggcc acttcagcaa tccaacactc ttctttcgct 60

ggccaancga ccctaaagcc atccaacgat ctcctccgca aaatcggagc ctccaatggc 120

ggtggccgca tcatcatgcg tcgtaccgtc aagtctactc ctcagagcag ntggtacgga 180

ccagaccgtc ccaaatacct aggaccattt tccgaaaaca cacnatcata cctaaccgga 240

gaataccctg gaagactacg gttgggacac cgctggnntc tcaagccgat ccagaaacat 300

tcgcaaagaa tcgtgagctc gaagtgattc acagtagatg ggcaatgttg ggagctttag 360

gctgcaccgt ccctgaaatt ctctcaaaaa acggagtcaa attcggtgaa accgtgtggn 420

tcaangnang atttcaaatc ntctcaaaaa ggngg 455

<210> 14051
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-E3

<400> 14051

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caaatttaat atgttctagg agttaagtta ggcgttgaag gagggaggac agtgttcgtg 120

tatgttgaag gttcttaatc tggtccactt cctcactgtt aatgtactca gaggtttgct 180

tttggctttt tctttttttct ccagggtttg cttttgtata catgggggat gaaagggatg 240

cggaagatgc catccgagca cttgaccgct ttgaattggg ggcgtaaggg acgcanactt 300

cgtgttgaat ggacaaagaa tgaacgtgga ngtgataaaa gatctggtgg tggttcaang 360

gagattcngn gtccaacaat aagaaccttc aagaactccc ccttggtgaa ttaacntttg 420

aatgccggat aataactaaa gganccccngg aattctaana agaaaacaac nttt 474

<210> 14052
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-E5

<400> 14052

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tttgaccctc ttcactacga cgacccattc cctcaacgaa gccgacccgg attcgatttc 120

caccgtttac gaactcctcc caaagtacgg gctcccaagc ggtctcttac cggacaccgt 180

caccgatttc accctctccg acganggccg attcgtcgtt cacttgccca attcctgtga 240

gattgaattt gactagggcg ttcactacga taagacatat ctggtcgtat cggttacggt 300

tcaatcaccg agctcaaggg tatcaggtga agaaattctt tgggtgggct cgatgtcaat 360

ganattaaag gtcgatctcc aaccttcnga ttcaatctaa cttnaaaagt ttggntttan 420

caataaagaa agctt 435

<210> 14053
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-E6

<400> 14053

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tgncgganaa agagactttc ctctcatgtg ctcttggttg gtgcattgaa tggcttccag 120

cttatttcct tgtgcttgat gacatcatgg acaactctgt cacactcttg tggccagcct 180

tgttggttta gaaagccaaa ggttggtatg attgccattn cggatgggat tctacttcgc 240

aatcatatcc acaggattct caaaaagcac ttcggggaaa tgccttacta tgttgacctc 300

gttgatttgt ttaacgaggt agagtttcaa acagcttgcg gccagatgat tgatttgatc 360

acgancttg atggagaaaa aagatttgtc naantacccc ttgaaatcaa ccggcgtatt 420

gttgatnana aaacaancta atacnaatt 449

<210> 14054
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-E8

<400> 14054

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cgaaatcctc tgcttcatca tttgaacttc gatttaaggg ttcttgaatc ttcgaataaa 120

aatctcacct ttaaatggga aagccaacgg ngaagaanag aaatccggag acgccaaaag 180

atgcttccgg cggcggcggc ggcggtggag gctngtcagg gaaaacttac catcgttcta 240

cttcgagggt atttgacgaa gatncngaga ttttcattag cagagcactt gagctcaaag 300

aagaaggtaa caagttgttc cagaaacgcg accacgaagg tgcgatgttg agtttngaca 360

aagccttgaa gctcttgccc aaagatnata tcgatgttac ttatcttana acgantangg 420

cttcttgtta aatgcaaatg ga 442

<210> 14055
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-E9

<400> 14055

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gncgaaccac gcgtccgggc gagtgcgaat gaaccagcta tgaaaagctt gaaatccaat 120

ccttcaggac cgataccgaa ctttttcgta tcgctctctt cggcatttac gcaaacacct 180

cttgtgcgtt cgaacaaacc caatttgctt cttctaccac cagttgcaga ctccgtcaaa 240

ttgattcaag actttcatca gtctctgatt tctgctactg agaaatttaa aggattcctc 300

cattcgctcg cctctaagaa ccctctcttt caggaagcgg ttcgcctatc ttccgaattt 360

cacattttgt gcgacgagat tcgtttgaga aacactacaa gggtgaggtt tgcgatgtct 420

aatcacggat ttgcagcggt tctgcctgga gattcagttg caggattggt ggttgctaat 480

ggtttgatna atttcctcaa ca 502

<210> 14056
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-F10

<400> 14056

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gcgtccgctt cttgtgtgag accgagaaaa aaagatgact aagaacagta accacgacga 120

gaatgagttc atcagctttg aaccaaatca gaacacgaag atacgctttg aanatgctga 180

tgaagacgan gttgctgaag ggtctggtgt tgccggcgag gaaactcccc aagatgagtc 240

catgttcgac gccggngaga gcgccgacac cgntgaagta actgatgata ccaccattgc 300

cgattactac ttcgattctt actctcactt tggnatccat gaagagatgt tgacggntgt 360

tgtgagaaca canacttatc anaatgttat ttatcatanc aagtttctta ccanggacaa 420

aattgttctg angttggacc tggaaccgga antttggccc cggtccgtnc caaggcanga 480

accgctcct 489

<210> 14057
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-F12

<400> 14057

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gaacaagtgg aaatgccgtt ttggtggcca ctgatcgtcc tcgccttcgc ttacgcgatc 120

tgcaagttcc ttcttatgct cattcctccc aatgttcctt ccattgacgt tgacgcatcc 180

gatgtgttgg ctcatgggaa agatacggag gagaatagct tcatctatat tcctcccaga 240

ggaaggagcc aacagtctga caaaaaagtt caatgttatg aacctgccac aatgaaatat 300

ctgggatatt tccctgctct gtcgcctact gaggtcnagg agcgcgtaac actatcaagg 360

aaggntcaaa agacatgggc tcaaagttan ctcaagctta gaaggcantt cttgcggat 419

<210> 14058
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-F2

<400> 14058

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cctgagatca tctcatcaga tcaaaacggg agtttaacta gaattgcgtg gattaatgct 120

ngaagaagca gagcgagata tctgcaatgg agatcgacga tccgaaattg aaagctcgga 180

tcagatcctt ccaaggttct cgatcaatgt tctgcagctg cggaaatctt ctcaggcgca 240

acatggtctg cgtcatggtg actatgctcg ctctcngagg tattgctccg cacgtttgag 300

gaggttatac aagtccttga aattcactca tgggccgtgg naaatacact cgacnaanca 360

atnctngaat caactgtcac tgaagttaag gtccctcaag tngtttccaa natggcggga 420

aanaacaagg ganccatgca atgggaaaaa aga 453

<210> 14059
<211> 458

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-F3

<400> 14059

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tctttggctt ttctcctcct gttctcatgg aagcttcacc caatgatcgg gttcattttg 180

gcaaaatggg tttcgggtgt aagcattaca agaggagatg nnctnatcag agctccatgt 240

tgcaacgaag tcttcgattg tcgccattgt cacaacggag aagcactagc acattgcgca 300

atatctacga acgtcacgat cttgttcgtc aagacgttaa acaagtgatt tgttcctgtt 360

tgcgatacng gacanccggg agctcaagtt tgttccaatt gtggtgtcaa catgggaaga 420

ataattttgg aagcatccgc ataatccaag aatgatga 458

<210> 14060
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-F4

<400> 14060

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tctgtttggt agagaaagag aaagagattg attcgttcct ggttcgtgga tcgatcngan 120

aagaagaaag agtaagtgca acagaatcaa tggtatttcc cggtgagatg acgacgacga 180

caacgagacc tgagcaacga tcgaagactc ttcacaattt ccctctcccg aacttatggg 240

ggaatcaaga gacaactcaa gtgcacgaag ncngactcta tcagcaacaa caacaacaac 300

ggaggaagtc ccggcggcga tnaccgacta cgacgccgat ntccgcctct ggaattcgct 360

tctntctccc gtttcgatgc cgtttcgatt cggtaactcc gatnatccgc gaacgtttaa 420

atccgggaaa cgaagaaagg atnnaanagt 450

<210> 14061
<211> 463

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-F5

<400> 14061

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ctgctagaga gaaaagcctc agagactttc aagttaaaca aaagtgagaa aaaattgacc 180

tgtgtaatga aattcggtgg ctcatcagtg gcatctctat aaaggatgat acaagttgcc 240

aaactcatac tcagcttccc agatgagaag gtgttgttgt gctatcagca atgggcaaag 300

accaccaata acctttttgat ggctggggag aaggctgttt gctgcggtgt caccaactnn 360

ggacactatc cgaaagagtt gagcctaata taaaagggaa ctccatataa nggacngctc 420

atgaancttg gganttggaa aacaagcaan tttanttgca aga 463

<210> 14062
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-F6

<400> 14062

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tcatatacac tcaaaaaccg atcataagca gagtttgtaa ccaatgtgga gcagtgggcg 180

attacaaatc ttcttgccca acaacctcga gagttaattc taggtactca tatccatatt 240

aaatcgaatt cttaattagc ataataaggt ancnataanc tgcaagagga attctggatt 300

taaataaacc ataatccggt tgccctaaat tgttaacttg tatcaaacgc ttatgcgatt 360

nattctnttt ttaatttaat tgggttttgg tgaacttaac cttannggat taaattaant 420

ggttttaaaa anntggtcat ttaaatccaa ttgaaaaaan gangg 465

<210> 14063
<211> 436

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-F7

<400> 14063

aaccatccca accaagaagg aacaagtctt ctccacctac tcagataacc aacccggtgt 60

gttgatccag gtgtacgaag gagagagagc cagaaccaag gacaacaacc ttcttggtaa 120

atttgagctc tccggaattc ctccagctcc tcgtggtgtc ccccagatca cagtctgctt 180

tgacattgat gccaatggta tctcaatgtc tctgctgagg acaagaccac cggacagaag 240

aacaagatca ccatgaccaa tgacaagggt cgtctctcca aggatgagat tgagaagatg 300

gttcaagagg ctgagaagta caagtccgaa gacgaaggag cacaanggag aaggttgaan 360

cccaagaacg ctctcgagaa ctacgcctta caacatgagg aacacatcca angacgagaa 420

gattggtgag aagctc 436

<210> 14064
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-E2

<400> 14064

tggtgttgag tgtggtggat ctaatgtgca gtttgctgtc aacccggttg atggtgaagt 60

caggatcata gagatgaacc ctagggtctc aagatcttct gctcttgctt ccaaggctac 120

agggtttccc attgctaaaa tggctgccaa gttgtctgtt ggncatacct tggatcagat 180

tcctaatgat atcacgagga aaacaccggc tancttcgag ccctccatcg attatgtggt 240

gactaagatt cctcgatttg catttgaaag gtttccagga tttcaagcca ttgctaacga 300

accaaatnaa atcctgttgg gggaaaccaa tgggctcctc cggccgttac aattccaaag 360

aatccttttc nagnaaaagc tcctgaangg tcctctggga anttgttgga attcctccng 420

ggtttggggg nttgttgcaa aaaaanttaa aangaancta anaatttggg aactngggaa 480

tnaaacc 487

<210> 14065
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-E3

<400> 14065

ggnggngnca attcctcccg ntccgtaccg gtctcgaatt cncggggncc cacccacgcg 60

tccnaanttc aatctctcta aactctcaat ttcagtaatc gataaccgta gcaatggaat 120

ccaccggaaa agtgaagaaa gctttcggag gaagaaaacc acctggtgcc ccaangacca 180

aatcggtttc gaaatcgatg aaagccggtc ttcaattccc agtgggaaga atcactcgtt 240

tcctgaagaa aggacgatac gctcagagac ttggtggtgg tgctccggtt tacatggccg 300

ccgttcttga atacctcgcc gcaaaagttc tggagcttgc tggtaacgct gcganagata 360

acaagaaatc aaggataatt ccgaggcatc ttcctccccg cgataaagga acgatgaaga 420

attggggaaa acttctgant tggtgtcaca atcgctcacg gtgggtgttt tgcctaaaca 480

tcaactctgt tccaaattgc ctaaagaagt ctgg 514

<210> 14066
<211> 67
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-E4

<400> 14066

taaancccttt cctntccttc aaanaccaaa gggggaaatc aatcaaacta aagcctcctt 60

caaccaa 67

<210> 14067
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-E6

<400> 14067

aagaaacaga gagcattatc aattattaac aattacacaa gacagcgaga ttgtaaaaga 60

gtaagagaga gagaatggca ggagaggcag aggctttggc cacgacggna ccgttagctc 120

cggtcaccag tcagcgaaaa gtacggaacg atttggagga aacattacca aaaccataca 180

tggcaagagc attagcagct ccagatacag agcatccgaa tggaacagaa ggtcacgata 240

gcaaaggaat gagtgttatg caacaacatg ttgctttctt cgaccaaaac gacgatggaa 300

tcgtctatcc ttgggagact tataagggat ttcgtgacct tggtttcaac ccaatttcct 360

ctatcttttg gaccttactc ataaacttag cgttcaacta cgttacactt ccgagttggg 420

tgccatcaca attantgccg gg 442

<210> 14068
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-E8

<400> 14068

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taaaggtatt gatggaacaa ccgaggaaca nnaagacctc tcaagaacaa gctcgtgaat 120

cgctcatcga aatctcctac acttcacccg aggaagacga ggttataacc tactcagatg 180

tgaagcctgt cacctatatc tcaaacggaa gtgccaaagg aaacaaagat gatgcggaga 240

agctcagaga tgagctgatt tcgatatcct acgacgagtc accgtcgcct tcaccggatg 300

tggatgtagc tgtttcgccg accctgccga acggtgtatg tcgtggatag gaagttaatg 360

tacagcttga agaagtcttt actttcntat gcaaaaagac ttttggnttg ggtccaaaaa 420

gttgacca 428

<210> 14069
<211> 365
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-E9

<400> 14069

nnngaacntt tcgcagcccn ttnccgntca naccggtcca tanttcccgg gnccncccac 60

gcgtccgcaa acgcgtccgg ttacggaggc ggtggtggcg gctggtaatc aaagatagag 120

ttgtttgcgt gctgctgctc tgtttttggt ttagatttgg ttttgtgtca ccacttctgg 180

tttggttatc gttcgtttgg tttacttttt tgatgaaaca gtttcgttta agtcttcttt 240

gtctggaacg aaatgttaat tcgcgtgttg tttactaaat ttataacgtt tccttttaac 300

caagattcga gattttccct caaataattt atcttgttag acacaanaaa naaaaaaaag 360

ggcgg 365

<210> 14070
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-F1

<400> 14070

ttgatttatt tagagagata agttaaaaaa aaaatggtcg gtatggattt gttcaaatgt 60

gtaatgatga taatggtgtt ggttgtctct tgtggtgaag ctgtttctgg agctaagttc 120

gatgagcttt atcggtcaag ctgggctatg gatcattgtg tcaacgaagg cgaagtcaca 180

aaactcaagc ttgacaatta ctctggagct gggtttgaat caagaagcaa atacttgttt 240

ggtaaagtct ctatccagat taagcttgtt gagggtgatt cagcaggaac agtcactgct 300

ttctacatgt cttcagatgg tccgaaccac aacgaattcg attttgagtt cttanggaac 360

actaccggcg agccttacat agtccaagac caatatctac gtgaacggat tggnaacaga 420

gaacaaagac caacc 435

<210> 14071
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-F11

<400> 14071

nnnnngnntt ttngnagcct cttncctgnt cnanaccggt ccacanttcc cgggnccacc 60

cacgcgtccg gaacaacaag actcaaaagg tagaaagaat cggacatgga agaagcagtt 120

gtaacgaggt attggtgtca tatgtgttct caaactgtga atccagtcat ggaagctgag 180

atcaaatgtc ccttttgtca aagtgggttt gttgaagaaa tggaagatga cgacgatcat 240

gattcttctg atccggctga tgttagagca aacaactctc tttgggcgcc tatcttgatg 300

gaacttatga atgatcctgt gcgtcgtagg agaaaccaga gtgttgagtc tgttgaagat 360

aatcaaaacg aggtacagac cgagaacaat gaagacgatg gagaaaatga tttggattgg 420

cagcttcaag agattctcag gagaaggaga agacattccg ctgctgtttt gcagttgctt 480

cangggatac gaacanggtt gtctgtanaa tct 513

<210> 14072
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-004-Q1-E1-F2

<400> 14072

cgattccttt gctttagcta actagtagtt tcgtcatgtc ttggtgcacg attgagtcgg 60

atcctggtgt atttacagag cttattcaac aaatgcaagt caaaggagtg caggttgaag 120

aattgtattc cctggattct gattctctca ataacctcag acccgtatac ggtctgatct 180

ttcttttcaa atggcaagct ggggaaaaag atgagcgtcc aacgatccaa gatcaagttt 240

cgaacttatt tttcgcaaat caggtcatta acaatgcttg tgcaacccaa gcgatccttg 300

ctatcctctt gaactctcca gaggttgaca tcgggcctga actatcagcg ctgaaagaat 360

tcaccaagaa ctttccatcc gacctcaagg gtttggctat caataacagt gattcaatcc 420

cgggctgcgc acaacagttt cg 442

<210> 14073
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-F3

<400> 14073

ngnntgnngn aacttcnagc cgnnccgtac cggtccacga attcccgggg tcnacccacg 60

cgtccgaang acgcgtccgc ccacgcgtcc gcacaaatct gcaaatcttc ttcttcttct 120

gtcttcatga atttcaagtc taacaattcc tagccgttta caatttgacg gcacaattct 180

tcattccttg tcgtgcccgg aagtaaaaag atgatctttt tggtttctga tgagataaaa 240

cagagatctt gttaacactt ataagcagac ccaactcggg aagctatggc cgctattcgt 300

tttgcggcgg cgattctgat ttgctgttta ttaccggcgg cggttttgtc ttacggtttc 360

ccggcggcgt tgaaacttga aagagttatt ccagcgaatc acgaaatgga acttagtcag 420

ctcaagggtc gtgatgaagc tagacacggc agattgttac agtccttaag tgggagtcat 480

aaaattttcc cgtgggaccg gaacttttg 509

<210> 14074
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-F4

<400> 14074

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atacagacag atgcagccat taaccctggt aacagcggag gacctcttct agatagctca 120

ggaacgttaa ttggtataaa cacagccatt tattctcctt ctggtgcatc ttctggagtg 180

ggcttttcga tcccagttga tacagttggt ggtatcgttg atcagctggt gagatttggt 240

aaagtcacca gaccaatctt aggtatcaaa ttcgcaccgg accaatctgt tgagcaattg 300

ggagtgagcg gtgtgctcgt cttggatgct cctccaagtg gtccagccgg caaagccgga 360

cttcagtcaa caaaacgtga tggttacggg agactagtac tangagacat aatcacgtcg 420

gtgaacggta caaaaagtct ctaacgggga gtgatctgta ccggattctc gatnaatgca 480

aagtcggcga tgangtgacc g 501

<210> 14075
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-F5

<400> 14075

cttcctctct ctctttctct caccatatat ctaaattgct catcgattct caattcagct 60

tcatgctttc ggatttgatt cgtcgataac cccaatttct ttanaaagtt gaagttttta 120

tgtcatttct ggttcgaaat tcgttgcaat tggaatgaga taaagtctct gaatttgcta 180

tcgctttgtt ttattcgttt tctgtttttt ttgagatgcc atcgatgctt gttctcgtcg 240

gcacaatgcc gtccttggct tctctggtta gtctaggtgg tgcttgtgca agcgtttctg 300

gaacgagttc ttcggatgca tcgtatgctt tagttaagaa gggtttcttt gtcaaggaga 360

agtgttaaag gggactaaag aaatggctgt gtanaatatt ccgttccgtc ctcaactact 420

actacaacng ctgg 434

<210> 14076
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-F8

<400> 14076

tttctctctc tacctaacca atcctaagct catctctcta tctccaatgg agtccgccgc 60

actatcccga atcggtctcg ccggactcgc cgtgatgggc caaaacctcg ccttaaacat 120

cgccgagaaa ggtttcccaa tctcagtcta caatcgaacc acttccaaag tcgacgaaac 180

cctagatcga gccgccgtcg aaggaaacct cccagtctcc ggccaatact ctccccgcga 240

tttcgtcctc tcgatccaac ggcctagatc tctcatcatc ctcgtcaaag ctggagctcc 300

cgttgaccaa acaatcgacg ccttctccga atacatggag ccaggagatt gcatcatcga 360

cggtggaaac gaatggtatc agaacacaga gcgacggatn tccgaaagct gagcaaaaag 420

gattgctcta tttaggtatg gga 443

<210> 14077
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-004-Q1-E1-G1

<400> 14077

taaaatcaga ttctagacta attaagaaga acaggcaaaa cgaatttgct attggcccgt 60

tggaaaaaaa taatcggata tggatgctct caaggttcag attctacctg ataaccaatc 120

atcaccttcg tccacgcaca tgctcactaa gcccaagtcg aaaaaagcga caaaatcgat 180

tgccatgcta atcgtcgctt ccttggctat cacgttaggg ttattatttg ttttcagttc 240

aaattcagtt atgttctctg caagttttct tcggagaagt tcacttcact acagcgtcat 300

tatcgatgcc gggagttcgg ggacccgaat tcatgtgttc gggtactggg tttgagtctg 360

ggaaaaccgt tttcgatttc ggagaagaac attacgctag tctgaagttg agtcctggtt 420

tgtctcgtat gc 432

<210> 14078
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-G2

<400> 14078

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aacacattca aaacactatt cgcgaatcta atctctaaca acaataaacc tcgcttgaag 120

aagagtgtga tcgagccgat caacggctct gattcatcag attctggtcg tcttcatcat 180

gaacctgtga ttacttcctc acgaagcaac gagaacccta aatctgatct tgaagaagaa 240

gatgaaaaac agagcatgaa ctctgtttta gatgttcaat gggctcaggg gaaagcaggg 300

gaggatcgtg tacacgtggt tgtatctgaa gacaacggat gggtctttgt cggaatctat 360

gacggattca gtggtccaga tgcgccggat tatctcctca acaatcttta caccgccgtg 420

caaaaggagc tcaatgggtt actttggaac gacgaaaagc ttagatcttt aaggagaaaa 480

cggcatgacc aaaaccggaa aatg 504

<210> 14079
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-004-Q1-E1-E2

<400> 14079

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atgggcgact tcttctactt tctcgtcact actaccttca ccaccagctc ttctttccga 120

ccaccgttct cctccaccat ccatcagata ctccttttct cccttngcta ctccaaaatc 180

gtctcgtttg ggtttcactg taccggagaa gagaaacctc gctgctaatt cgtctctcgt 240

tgaagtatcc attggcggag aaagtgacca acaacatcat caaccgggtt aaggaggaga 300

caacaaggna antggaatta cnaaaacnca aattactnan ggtanttccg gaatnaacca 360

gagggganttg tggcaatngt 380

<210> 14080
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-B3

<400> 14080

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cttaagcgcg ggaaaatcaa ggaacagcgt ttctaggatt agtcgtgttg gattctcttc 120

ggtctcggct gtacatgtac ccagaaggat gtttatgcag ctgtctggat ttggttcggt 180

cttgacgctt ctggattttc ctagtttagc ggcgccggtt cctcagatga aggaacctga 240

agtgatcagg acattgaaac tcccgagtgg cgtgaggtat caagagataa ttgaaggtga 300

aggacgagaa gctcatgaaa ggggacctgg tcgaactaaa ctatgtgtgt cngcgtgcaa 360

aatggatatt tcgttcataa cacggtggat naantcaant ggtgaaagtc tcctgtcaaa 420

cttaat 426

<210> 14081
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-B4

<400> 14081

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atcttgattt ctcatcagtt aaacatggga actcctgtcg aagtctctaa gctccatttc 120

ttgctcttcc ctttcatggc tcatggccat atgataccaa ctctagacat ggctaagctc 180

tttgccacca aaggagctaa atccactatc ctcactacac ctctcaatgc caagctcttc 240

ttcgagaaac ccatcaaatc attcaaccaa gacaacccgg gactcgaaga catcaccatc 300

cagatcctta atttcccttg cacagagctt ggtttgcctg atggctgtga gaatactgat 360

ttcatcttct ccacacctga cctaaacgta ggtgacttga gtcaaaaagt ttttactccg 420

caatgaaata tttcgaanga g 441

<210> 14082
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-B5

<400> 14082

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gaaaatgacg gagactggag taatcggatg tggctgtcgc ggagtcaccg gcggcaattt 120

cttccatccc ggaggatttt ctttgaaatc ttgtttcctc gagcagagta caaagcgtaa 180

tcgtaacttt ttccgaagcg tttctatgat tcctcctttc aaacgcggtc gtttcatcac 240

taagttgcgt tccgtcgccg ggaacagccg aatctttagc atggatgctc gagagaaatc 300

acgatcgttt gtgttggtat catcaaggca caagagaatt ccaantttt gtgattgatg 360

ccgattgata catttgggat tgatgcttct ggggtgtcca aaagattaaa aaggtcaagg 420

ctttaactgt 430

<210> 14083
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-B7

<400> 14083

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atgttccctc ttaccaccac cgtccttttc tccgcgccgg cgattcngta gtttttctca 120

caatcgccgg tctctacctt caatattcag tttcaacaaa gagcgtgtct cacgaagagt 180

cttctgtagc tccaaagaga acgatataaa cagagatcgg aatcagtcta caggaattca 240

agtctacggc gaaatcgaga ggttattaac agagactgta aaaaattctc agagtagctc 300

cggtggatcc tctgattggt cagaagttga gggagcatgg gtgctgaaac caagaaactc 360

gaaaccgaag atgggtgttc atttcattgg gcggtatatt tgtcggtgca acaacacaag 420

cttactatcg aatggg 436

<210> 14084
<211> 316
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-B8

<400> 14084

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caatacccgc gcaagatcac tctcgggtcg gatctttccg tgtaagaccc gtccggatct 120

atcccggacc gatcaatttc acgaagtgtt ctccttcaat cgaataaagt caantgcttt 180

catcaaaatt tacccgcgaa ttgaagaagg aagaggaacc aaacctccaa tggagagaag 240

tgagtccgtt gatgaagatg tccaagcatc tgnnnattaa agaannaaca aggtncttna 300

agaaantntt caatgt 316

<210> 14085
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-C1

<400> 14085

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caacaatatc ttttgctttc tctctcattc ttcaccagta acaagcccat ctctcgattc 120

ttcactctca aggaaggaga cgttttgaaa atcagaaatg gtgaagatat gctgcatagg 180

agctggttat gtgggtggtc caaccatggc ggtgatggct cttaagtgtc ctgagattga 240

agtagtcgtt gtggatatct ctgaaccaag gatcaatgct tggaacagtg ataggcttcc 300

tatttacgag ccgggattgg aagatgtggt gaaacaatgc agagggaaaa acctcttctt 360

tagcacagac gtggagaaac atgtatttga gagtgatatt gtatttgtct cagttaacac 420

tccaacaaaa cacaaggtct tggtgctggc aaagctgctg atcttactta ctggganaat 480

gctgctcgga t 491

<210> 14086
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-C10

<400> 14086

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gggccaccca cgcgtccgca naaccgtttt catcggaaga agaacaagtt ggattgattt 120

tgctttggat ctcacatctg agatcagatt aatctctctg tgaagtcgaa gaacgaaacc 180

ctagntccca tggatctctc ttcacgcttc tcatcgatcc ttatccttct cttgatctcc 240

atctccatag cttcggctga gattcgtaaa tcagagatcc gatccgatga tcgtccaatc 300

atccctttag acgaattcgg tttcactcac agcggtcgtc ttgagcttga cgcttccaag 360

atctggcttt ccaacagcaa tcccgatctc gatctctcca aagtgggctt ctttctctgc 420

actagagacg cttgggttca tgtgatccaa cagcttgaag aagaagagat cacgtgcgct 480

ctacaatcag atctcgttaa gcatgtgttc acctt 515

<210> 14087
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-C2

<400> 14087

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ttccgaaaac cnctaggtga cttaagagta aaaaatggta gaggcagagg ttgaagtaga 120

tgtggaaatc aaatctacgg ctgataagtt tttcatgttc tctagaagat cacaacatgc 180

ctccaaagcc actcgctatg tacagggatg tgatctgctc gaaggcgagt ggggcgaagt 240

tggaagcata ctcttgtgga aattaactgt tgatggagag ccaaaagtgt caaaggatat 300

gattgaggcg attgatatga agatgaatat gatccagtgg agggtgttag agggacctct 360

gaaggaagag tacaatattt tctcgaaaac gatgaaagta agccctaagc aaggagggtc 420

tggaagtgtg gtgaagtgga acttgaagta tgagagaatt gatgagaagg tggctcacct 480

agagaagctc ctcaattctt cgtcga 506

<210> 14088
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-C4

<400> 14088

gntgnngaaa ntctacccgt ncgtaccggt cctccaattc ccggggnccc acccacgccg 60

tccgaancat gggccaattt gcgatgcaaa acagagacat agtagccatt gctaaaacag 120

gctcgggaaa aactttgggt tacttgattc ctggtttcat gcatctccaa cggatccaca 180

atgattcacg aatgggccca acgatcttgg tcttgtcccc tactagggag ttggccacac 240

aaatccaagt tgaagctctg aaatttggca agtcatctaa aatttcgtgt gcgtgtttgt 300

atggtggagc acccaagggt cctcagctga aggaaataga aagaggtgta gatattgttg 360

ttgcaactcc cgggcgactg aatgatatcc ttgaaatgaa gagaatcagt ctgcatcaag 420

tatcttacct tgtgctggac gaagcanata gaatgctgga catggggttc gaacctcaag 480

atcagaaaaa ttgtgaatga ngttcccaac 510

<210> 14089
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-004-Q1-E1-C5

<400> 14089

tcttcttgtt ttctcattct tcttctaaaa aatcttgaca acttttttgtt tttgttttct 60

ttctctgaat tttttaaaga gagagagcta tgtagctatg aaacagtgga gagatataga 120

tatagagaga cagagaaaga tgatgatcag tgaagttagg ctaaacccac tttctattta 180

tgtataatta ggtcaatcac atcaccaatc tcctcctcca attctcctcc tctccttcca 240

aattctaggg ttttgcttgt atctcacccc ctttctcaat tccctaggga aactgtgaat 300

ttcatcaaat tccattattt tttggtcaca cccttaaaga gatctgagag ttctaaagat 360

gatgacagat ttatctctca cgagagatga agatgaagaa gaagcaaaag cccttaacag 420

aagaaagaaa ggagcgcgt 439

<210> 14090
<211> 275
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-D1

<400> 14090

gggtggngnn aattcctgcc gntccgtacc ggtcctcgat tcccgggncc caccaacgcc 60

gtccaanngt taaacacgtc ctgggtctgt gttcagtgtt cttggtaaaa catttgcagg 120

acatgaagtt cctatatcat gtcctgagaa tggaatctgg atgtacagtt tttgtctctc 180

ttaatgtaag aattctgttt aaatacagtt cacctctaaa aaaaaaaaaa aaaaaaaaaa 240

aaaaaaaaaa aaaaaaaaaa aaaaaaaaag ggcgg 275

<210> 14091
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-D11

<400> 14091

gggggggggng nnnttngnag ctctgccgnt cntaccggtc ctcaattccc gggnccaccc 60

acgcgtccga aaaatgatgt catcaatggc actctcttct acttccctct gctcttcttt 120

catctctcaa catccaaaac tctccatcac tgcttctcct ccattgttcc atacccaaac 180

aaccaaaccc atctctgtaa aacggaaaat cataactcta gcagctccag agacactcac 240

cgctgaaaca gtcaccggaa ttgatacttc cgacaacact ccacaacaaa caataaaggt 300

ggtgaagcca gatgagaaat caagagtggt actcaagttt gtgtggatgg agaagaacat 360

aggattagga ttggaccaac atgtacctgg acatggcaca atcccactta gtccttactt 420

cttctggcct aggaaagatg cttgggaaga gcttaagtct actcttgaag ctaaaccatg 480

gatctctcaa gaagaagatg atcattcttc taaacca 517

<210> 14092
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-D5

<400> 14092

ttgtgaattc attaattcct gcgaaatgga acctcgaatc aatgaccttc aggtggaatc 60

tcgggttcat gagttgctcg attttccggt tcatacaaac cagatatcct ctgcaatcta 120

cgagtgtccc aacgaccaca tcgaaaaccc taagaagaaa ccgtacaatt gtccacactc 180

aggagccaag tgtgatgtca caggagatat tcaaaggcta ctactgcatc taaggaatga 240

tcacaatgtt gaaatgagtg atgggcgtag tttcagtcac agatatgttc atcatgatcc 300

taaacatctt catcatgcta cttggatgtt aacacttctc gattgttgtg gtcgaaaatt 360

ctgcttgtac ttcgaagcgt tcacctgagg aaaacaccaa tgtacatggn cttcatgc 418

<210> 14093
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-D7

<400> 14093

ntggnggaaa atncnaccgc tncggtaccg gtatncnaat tcccggggnc gacccacgcg 60

tcnnatttca agttcttttt tttttaacct tgccatcaat acaaccatgg caaggatttc 120

tctgttgttc tctttagcct tagttctagc catcgggtcc gtcttggctc acggcaccta 180

cccacaagaa attacaaaag accttgtgtc catctacttt gtccaaagtt caagctttcc 240

cttaccttga agtctctagc ttcgtcgaga agaaggttca gttcgcacca aaaaccattg 300

cgttcaagtc tttgttctcc atctgcaaga gctacatcga ctttcttggg ggcgttaagt 360

tttctgcctc cagagatgtg tttcacgtcg ttcatgtcaa attcactttg atgaccaagg 420

cgatggttat tgcacaagca cacattggga gttgaaggag acctcgctgt taagttgggc 480

aaaagctaca ccgtgaatgg ctng 504

<210> 14094
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-B1

<400> 14094

nngnggaatt cnnacagntn ctaccggtca ccaaatcccg gggnccncca cgcgtccnaa 60

aggacaaaga gtttttgttg tcagtaactt caagctctaa gctatggctg tcaccaagat 120

ttatattgtg tgagtcttta aagtttaaac taatcagtgc caagttaaac aactggcgat 180

caatttcccg atcaagagta atctgcgatt ttgtactact gactcacaca ggacgagatt 240

gaatcctcgt accagtttgg ttttgacgaa aaattgggtt cttggacttt tctgttaggt 300

actattcctt gcacggccac gtcgagacaa tggcacgaga ggtacttcgg ggagtaaact 360

ctgttccaga cgtggaagca acactttggc aagtgccaag agacattacc ggagaaaaat 420

attggagaaa gtgaanggcg ttccaagacc ggacgattgc cgggatantc gaccagaaca 480

actgggcgga agccnaacgg 500

<210> 14095
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-G7

<400> 14095

aattgctcat cgattctcaa ttcagcttca tgctttcgga tttgattcgt cgataacccc 60

aatttcttta caaagttgaa gtttttatgt catttctggt tcgaaattcg ttgcaattgg 120

aatgagataa agtctctgaa tttgctatcg ctttgtttta ttcgttttct gttttttttg 180

agatgccatc gatgcttgtt ctcgtcggca caatgccgtc cttggcttct ctggttagtc 240

taggtggtgc ttgtgcaagc gtttctggaa cgagttcttc ggatgcatcg tatgctttag 300

ttaagagggt ttctttgtca aggagaagtg ttaaggggac taagaaatgg ctgtgtagat 360

attctgtttc gtcttcaact actactacta ctgctgactt caatgcngan caaaacaaca 420

actcaat 427

<210> 14096
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-G8

<400> 14096

gcccacgcgt ccgctctctc tcaatccaac aaagaaaaaa aaagtcttct tctttttta 60

caagtctgag aattttctac agaaacaaaa atctgattgt ttttcccact ttgcatctgt 120

tttgaggatg ccagctacgg attttcaagg atcatttgga aggtcgttgc taagtttacg 180

gcgagaccaa gttgactcat caacagtcgt ctccggaagt agtagccacc acgagccaag 240

caccatggag gttgagctag attcgtttca aagacaagtc gctgagaaat tcatcgatct 300

caacgcttct tcaaacgacc ttctctctct cgaatggatc ggaaagcttc ttgattcttt 360

cctctgttgt caagaagagt ttcgagctat cgtattcaac caacgatntc aaatttcnaa 420

atccccgatg ggng 434

<210> 14097
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-G9

<400> 14097

nnnnngnaac tgtttcgcct gnccntaccg ggcccaaaat tcccggggaa cnacccacgc 60

gtccgccnac gcgtccgctc ctactgtgng agaagcatca tttgaggaac ggaangcaac 120

cctaagaatg nagcaagata tgcagagtga caattttaat atgtatgatc ttattgccta 180

tcgaataaag ttcgcacctc atcctaaggc tggtgacaag tggtgtatct atccgagtta 240

tgattatgcc cactgcactg ttgattctct tgagaatata acgcattcgc tctgtactct 300

tgaatttgaa acccggcgtg cttcatacta ttggctgtta cattccctga gtctctacat 360

gccatatgtg tgggaatatt cacggttgaa tgtgacaaac actgtaatgt ccangcgtna 420

gttgaattac ntagtgacaa acacgtatgt tgatggttgg gatgatccac gtcntttgac 480

actttctggt ttgagacggg angggtgtga cttcaactng 520

<210> 14098
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-003-Q1-E1-H12

<400> 14098

gagaactgtc ctcattgttt cccaaccctc tccgctattg gaaggacggg ttgggaaaca 60

atgaggagag aactgtcctt tctgtacagt cgtttctatg ggatccttct tggaggcatt 120

ttgataatgt accagttcca caactacatg cagccgattc tccttctcat gtactcattt 180

tggataccac aaatagtcgc caatgttgtc cgggattcaa gaaagcctct gcacccatat 240

tacatcttgg gcatgacagc tacacggtta gctataccgt tatatgtttt tggatgccca 300

cacaacttca tgcgtgtaga gcccaacaag gtttggtgta tatgcttgtg cacattcatg 360

gggttgcaag ccgtcattct tcttcttcag cattattttg gttcacgctg ctttgttccc 420

cgtcagatgc taccagagaa 440

<210> 14099
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-003-Q1-E1-H2

<400> 14099

gntgngnaat tcnacttcnt ccgncggtca tggannacgg gncnancacg cgtccnagga 60

cncgtgggaa tcaaaattca ttttttttttc ctctgatcat catcgaaccc tagtttcgtc 120

ttttgggtac gtttgatttc gcctctccac tttgtcaatt tcgagttttt gtggtttggg 180

ttttttttccc gatttagcct aacagataaa gtttcgagtt ttgtttctct taatcatcgt 240

agatactaac cgaatcatca tggagaagaa ctccttcaag ctttctaatc ctctggagat 300

gagaatggct gagtctactc gtatcagagc gaaataccct ggaagagttc ccgtgattgt 360

ggaaaaagct ggacagagtg atgttcctga cattgacaag aagaagtatc ttgtaccaag 420

ctgatttaaa ccattgggnc aatttgtgta cgttgtgagg aaaagaatca agcntggngc 480

tgaaaaaacc at 492

<210> 14100
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-H4

<400> 14100

tattnntccc gccggtcnnn gacaacgggc cgancncgcg tccancaaaa tgggtctatg 60

gggaaactac tctataccaa aagacaaccc ttttcgtgaa gacaaagagc ttgaacctga 120

aatatgggct gttggattga gaaacccttg gagatgcagc tttgattctt ctaggccttc 180

ttacttcatg tgtgctgatg ttggacagga cacatatgaa gaggtggatc tcataagcaa 240

aggaggaaac tatggttggc gtgtttacga aggcccggat cttttccatc ctgagtcatc 300

ccctggagga aacacatctg ttaaatcact aaacccgata tttcctgtga tgggttacaa 360

ccactcagaa gttgactcaa gcggaaaatc agcttcaatc actggaaggt tacttttata 420

gatctgaaaa ctgatccttg cataactgga angtacgtan atgccgatcn aaatggaaat 480

gg 482

<210> 14101
<211> 311

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-H8

<400> 14101

ttnangtgtc tcaccatttg ggtcaaaatn tcnttaggac cattgctatg gatggtactg 60

agggtcttgt ccgtggnagg aangttctca acactggtgc tccaatcact gtacctgttg 120

gnagagctac ccttgnccgt atcatgaatg tgcttggaga acccattgac gacagaggcg 180

atatcaagac cgagcattac ttacctantc acagatatgc tccngctttg gttgatctaa 240

ccactgggca aaacatcctg tccactggta tnaaagttgt tgatcttcgt gctccttacc 300

aangangacg a 311

<210> 14102
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-H9

<400> 14102

ggcgcaactt actaattccc tcaattatct cttttctgtt tctctcttat tatttgtatc 60

gttccactgc ttatgttttc gtttttcgtt ggttgcagct tgttcaaact ccactgacga 120

tcaacagatt caacaccatc accaccggaa atgggttggt ccctcaggcc acaaagtcat 180

caccgtctca cttaacggcc acgctcagtt tcgctccgtc caagacgctg tggattccat 240

accaaagaac aataacaaga gcatcacaat caagattgct cccggatttt acagagagaa 300

agtggtggtt ccagctacaa aaccgtacat aacgttcaaa ggagctggta gggatgtgac 360

cgctatagan tggcacgacc gttgcgtccg accttggcgc taacggtcaa cagtttacgt 420

acctaatcaa accg 434

<210> 14103
<211> 532
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-004-Q1-E1-A11

<400> 14103

gggnngggng nngnanngtc tngcagnctt ttttnnggcc caaaaacgtg tccanacntc 60

ccgggtccac cnacgcgtcc gtaaattatt ttttctgatc tgagaaaaaa aatggcgaat 120

ggagctaata gagtggatct cgacgggaaa ccgatacaac cgttgacaat atgcatgatc 180

ggcgccggag gtttcatcgg ttcacatctc tgtgaaaagc tcttgaccga gacgccacat 240

aaggtgcttg cgctcgatgt ttacaacgat aagatcaaac acttgcttga gcctgatacc 300

gttgaatgga gtggtcggat ccagtttcat cgtatcaata ttaagcatga ttcgagactt 360

gaaggtcttg ttaagatggc ggatctgatt ataaatcttg ctgcgatctg tactccagct 420

gattacaata cacgtcctct tgatactatc tacagcaatt tcattgatgc gcttccaagt 480

tgtgnaatac tgttcctgag aacaacaagc gtctcaatca cttttctaac tg 532

<210> 14104
<211> 223
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-A12

<400> 14104

aggattgggg cctttgggtg tgtcggaaat gcntgggact ccccttaact tcangggcag 60

tttcaagatc gtccgcggcc gttggatcat gcccatccac gttcaagact gttgctctct 120

tctctaagaa aangccagct cctgctaagt ccaangctgt ctccgagact ancgatgagc 180

tcnccnagtg ggtatggtcc tgacaggaga antttcntgc ctg 223

<210> 14105
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-A2

<400> 14105

nntgnngaaa cttcctcccg nncgtaccgg tccatcaatc ccggggccca ccaagcctnc 60

gnaaaaggtt gcagccacta aatcagatcc gacaatgccg aagcaaatcc atgagatcaa 120

ggacttcctt ttgacggcga gaaggaagga tgcaaggtct gtgaagatca agagaagcaa 180

ggacattgtg aagttcaagg tcaggtgctc aaggtacctc tacacactat gtgtcttcga 240

ccaagagaag gccgataagt tgaagcagtc tcttcctcca ggtttgagtg tgcaagacct 300

ttgaagatct tatgaaatca ggatctatca tggttttata tacccttgtc ttagatgatt 360

ttgtttttc cctttctgct gtcttttgaa tgactatgat tcagacttcc gttgagtttc 420

tttcttataa cttcaagact aaattatgaa ttggatttgt antttttttt gctatcaact 480

tggttagtaa tatatanggc ccc 503

<210> 14106
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-A4

<400> 14106

gtnggngnaa ttcncnccgc aacgtaccgg tccaccaatc ccgggggcca ccaacggcgt 60

ccnaaaagtc tcctctctct tctctctcta tatcgctcct catgatccga ttttttatat 120

aatttataaa aaatttatgt gataattaca gatacacgtt atttgtgtgt atattgatag 180

agacaataac cattggaatc tgaccatgga tctcttttct tcttgagata tttttcattt 240

ctttctcctg ttctcgtctc ccagatctgt tcgtcaatct taccattgga aagcttcaag 300

cttccttttt ttctctatct ggggacggga ccgttgtata aaagagttag accagacgac 360

ggcacaatgt atttcttcgg tttgtccaaa gaagaagtgt tgtcacagaa acatgttgta 420

tcatataaag agacttctaa gcagaaccca atcaatatgg tcactctgtt tggcanacag 480

gtgtatcagg taaaagtgag ag 502

<210> 14107
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-A6

<400> 14107

ttaataaaaa agaagagaaa aataaaaaag tttgtgtaaa ttttttttgc acactccaca 60

gcctaaaccc aacccaaaat cacaaaaacc aaaaaaatat ataataatgg gtggctgtgc 120

gagtagaccc aaggaatcag acatgcaaaa cgaagaaggc tctgttccta acaagcctgt 180

ctctgaaaac gtagtagcca aggagaacaa cacagaaagc ggtgagaaac agaaccagac 240

agtggctgag accactgaaa caacttctgt cgaagctaag gagacatttc cggtcgagcc 300

gaccaaggaa acaactcctg ctgttcaacc agaggttgca gccgtcgaag agtcttcttc 360

tgctgatgct ggtgangctg cantagttgc acctgagaaa agtggagaac gctgcaacaa 420

gaaaacgctg aaacaaangt gg 442

<210> 14108
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-A9

<400> 14108

tcngnccttt tgngncctan cggtccatac tcccgggncc ccccacgcgt ccgaaaaatc 60

ttagagaaaa caaaaatcca ntttttgctg tgaagatggc aatgtctgta aatgtttctt 120

cttcttcgtc ttctgggatc ataanctctc gtttcggtgt ttcattggag ccanaagttt 180

cgnaaattgg ttcgttgagg ttattggntc gtgttcatgt tgctcctgtg tctctgaatc 240

tatctgggaa gcgatcatca tctgttaaac ctttanacgc tgaaccaaag acaaaggatt 300

cantgattcc tcttgcggca acaatggtag cagnaattgc agaggaagtt gnagtggttg 360

ngattgncgg attttgaaga gcttgctang nagttagnga atgcgtcacc tcttgagatt 420

atggcctnag ctcttgagaa 440

<210> 14109
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-G4

<400> 14109

gnnnnnnggn aacgtntact nnnacggggn ncggtcacna attaacgggt cganccacgc 60

gtccgaattt ttaactccat atacatgatt ataaacgttc atatgttatt tgatatgaat 120

taaataaact aatttttgtt tatgatttac tatttttatt tttaatagat ttttgtatat 180

tgtgtatcta aaatatcata tttataatat tgtatgttgg aaatgcttaa accacctaaa 240

attgcatatg ttttgattag acgttatatg ttttaagtat tgtgtcagtg cttgcttcgt 300

gcctaacgct ttcttaaaca caaacaagtc aatattttat actacacaaa ctcattaata 360

gatattagtg ctaaacttaa taaagcatat ataactattc aagtccacaa aatcttttac 420

caaaataaac ttttaaaata taaacttttt tacatgtcta gcacgtatcc gaacatttcc 480

aaaaagatac tccatcctt 499

<210> 14110
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-C5

<400> 14110

gaaatgaaat tcacagattc tccggtgatc gatctgacgg tgaacggcac aaaactctca 60

atccaacaag acaatggctc tatgcacgtc ggaacttccg tctggccttg ctcactaatc 120

ctatccaaat tcgctgaacg ctggtcaaca ctagactcat catcatcaac aacatctcca 180

aatccatacg ccgaactctt cgatttccgt cgccgtcgag gaatcgagct aggaacagga 240

tgcggagtcg ccggtatggc tttttactta ctaggtctaa cggagatcgt actcacagac 300

atagcaccag tcatgcctgc gctaaaacac aatctgaaac ggaacaaaac ggcgttaggt 360

aaatctctaa aaacctcgat tgtttattgg aacaatcgag attaagtttc ggcgtttgaa 420

ancgg 425

<210> 14111
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-002-Q1-E1-C7

<400> 14111

ggataacagc tggagagatg aacttccttc tgacaggact ggaaacttcg atacgatata 60

taatttcctt agagagaact ggaagattgt aagatgggta gctctaggag cagttgtttt 120

cgaggcttta ctcttcttgc ttgcccttat ggtcagggca gctaatacac cagcagagta 180

tgacagtgat gatgaatatc ttgctccaag gcaacaaatc aggcagccat tcatcaaccg 240

ccaagccgcc cctgtcactg gtgtcccagt tgctcctact ttggaccaac gcccaagccg 300

cagtgaccct tggagtgcac gtatgaggga aaagtatggg cttgacacat ctgagttcac 360

atacaatccc tcaagagtca caccggttcc aagcaaatgc cagcgcaanc aaaacgaaga 420

aaagggccg 429

<210> 14112
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-002-Q1-E1-C8

<400> 14112

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gatggagtta acagaatatc cttgagtgga ggtgacgttc ggatttttg ttttggggtc 120

agacttgtga agcgcaggac tctacaacag gttctaaatt tgattccaga agagggtaaa 180

ggggagactt ttgaagatgc tcttgcacgt gtccgccgat gcattggagg tggaggtgga 240

gatgataatg ccgacagtga tagtgacatt gaagttgttg ctgatttctt cggtgtcaat 300

cttcggtgtc ctatgagcgg ttctaggata aaagttgctg ggagattttt accctgtgtg 360

cacatgggct gttttgacct ttgatgtgtt tgtggagttt gaatcaacgt tccagaaagt 420

tggcaagtgc cctaa 435

<210> 14113
<211> 72
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-C9

<400> 14113

atcanaggcn tattttcgcc ggcaagcagc tagaggatgg ccgtacgttg gctggttana 60

agtatccatc aa 72

<210> 14114
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-D1

<400> 14114

atcaatggtt atatagatta ctgtttttc ttcttctcca tttctcaaaa cattattttc 60

ctacagagaa tcaagaaccc gaactacaag ggaaaatgga agaacccatg gatagataat 120

ccagaatttg aagatgatcc agatctttac gttctgaagt ctatcaaata tgcaggcatt 180

gaagtatggc aggtaagttc tagagctttc ttgaattcca tcaaatatta acttttataa 240

tcactacatc atcaccagat atggatgaat atttatataa tattcactgc caattagttc 300

ttttaacata tatatgctgc ttgtacatat angtcatcca aatttttagg gttgaaaaca 360

aaaccaanag aaacagaaaa gatctgataa aaagtcctca tttttagacg aagggattaa 420

acttatccta g 431

<210> 14115
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-D11

<400> 14115

angtttttcc gntccgnacg gtacantcca anaattcccg ggtcnaccca cgcntccgnc 60

tgagtacaga gagaactaag ttcagatcca tggaacctgc aacttcttca ccattgccac 120

gagacacgtc ggagcaggat cccgcgctgg cgcagagtga agatcagtct caaggaagac 180

ttagggtttc tgcttatgac cttatggtag tagacagtga tttagaggga ttagatcaaa 240

gaaaggaaga gatgcgtaac atttttgatg atattcagga taaagcttca ttaattcttc 300

agttctcact taagtgggaa gaaatcgacg acangtttgg tttctaaagc aacgagccat 360

gganaaagga ggtccctgtc cgggatcann ntctggganc tggngaaaga anggaanaac 420

caactgaggn ttt 433

<210> 14116
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-D3

<400> 14116

nnnngnaact tcnacgctnn acgggccggt ccacnaatta acgggtcgac gcacgcgtcc 60

gaaaaaactc aagagacaaa aaaaaaagga aggcgcgtca gtgatggaga agattattga 120

cgtagcttat ggcgcatcag tgaaggtggg tttgacgttg ttggagatga atctgttgcc 180

ggatattgtc attaggcggc tcacacgtct gcttctggcc ggtcgtctcc gttccggtta 240

caaacccacg gcggagatgc aactctccga tctcctccgt tttgttgact ctataaagaa 300

gatgcctata gctatccata ccgagaagcc aaagactcaa cactatgaat taccgacagc 360

tttcttcgaa cttgtccttg ggaagaaaca tgaagtacag ctcttgttac ttctcaaacg 420

attcaagtag cttagaagat gcaagaggaa gcaattttgg ctccttaatt gtgaaagagc 480

taaaagtgga agatgg 496

<210> 14117
<211> 228
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-D8

<400> 14117

aangctttgt cggnngtaac tgccgtggat tccgtcgtcn ttgcttctgc accagacatt 60

gctgatctan ccattctcat gcataattca agctttgatc atcgtcgtnt gtcacttcnt 120

tcttatctaa tctgccgtac agtaccantg aagtaccgtn cattacatgt gttctcaaat 180

aantctttgg gatttgtgtg tttccggttt aaatgtaatg tnaaatca 228

<210> 14118
<211> 387
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-D9

<400> 14118

atgttctntc cggccnggtc ggtacanntc ataaatnncg ggtccaccca cgcntccgat 60

ttcttatccg gaaaccanaa acttccggtg ataaaacctc cttcgtcatc tctctacttc 120

ttggataaaa tggcgtcaac tttcactgcc acatcttcta ttggttcaat ggttgctccg 180

aatggtcaca aatctgataa gnaacttatc agcaagttgt cntcaagctc attttggaag 240

gggacaaagt gtgtgtccta gacccagaag attcagttct gcaattgtgt ncgcagcaaa 300

gggattncat ttcaacaaag atgggactnc cattngggga cttcangctg gggtcaaaaa 360

gctccncagn ttttgttggn gttacac 387

<210> 14119
<211> 71
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-E1

<400> 14119

atcgacgaga cgaaaccagg tgtgaanggt ctcattgatg ctcacatcac tganattcct 60

cgaattttct g 71

<210> 14120
<211> 67
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-E10

<400> 14120

ctgcttcant cancattatt ctcagcagca ctgtgagctg ccaatgctgt caggaaggtg 60

cntccac 67

<210> 14121
<211> 54
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-E12

<400> 14121

ttcattgaat aggatcatct ctattctgct attaaggctg cannctcgtg tcag 54

<210> 14122
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-E4

<400> 14122

ggngngnaat tcnagtnnnc gggccggtca cnnatnacgg gtcnagcccg cgtccnatag 60

gnagtctctt caatgtcaca aataatcgaa tcacacaata ttaaacacta aattattcac 120

agttttcttg gagaaaagat tcaagtacaa gtacaagcag agaaagtgag agagagagaa 180

atgatgggta gcttgaaaat aatatctcca ccacctccgg cgacaagatt ccggcaacga 240

gtaacggcga acggagatgg gtttccgaca tttcttccga aggagataca aaacataaaa 300

gatccattcg caagagcttt agctcaaagg attgtacgaa ttcctgttcc tcttcagatg 360

ggaaacttta gaggcagtgt aatgagtanc tgtatcaaac cactgttcaa ttacacgaca 420

aaagtccccg ttgttcctcc ccaatggttc gacaagttcc tgtcntgaat ggagacgtac 480

ttatcctccg gcttgaa 497

<210> 14123
<211> 175
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-E9

<400> 14123

gagaaangag ttccttctga tccgacanag aatcgncaag attcaggctc atgtgagagg 60

acatcaagtc cgaaaacant accganccat tatttggtcc gtaagattgc ttgagaaaat 120

catcntgcga tggaggccta aaggtagtgg cttacnccgt ttcaaacgtg atana 175

<210> 14124
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-F2

<400> 14124

aaagagtcaa tgtgagtttg atgaggaaag tgatcattgt gttagctatg atgagattct 60

agtgaattct gatgaagtta ttgagcttga tgaagaagaa ggcggtggtg accacgggag 120

ggttgctgat cttgttgagt gtgagaatct tggacctcct gagatgccac aagagattgt 180

gattcaagat tctgctttag ttgaagaggc gggatcgaaa ctcgatgaac atgcttcaaa 240

aaagccatct aattctatgg aaacaccctc ctcctctgta aacgtgaaac ctattattcc 300

taatgatgtt cgtgtgacca aagcntccac aaanggacat gatgttacgc caaaagctgc 360

ttcaanggag gacaaanggg tcctccttaa gttctaattc taaaacaatg tnnatgccaa 420

gagccaaaag gaa 433

<210> 14125
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-F5

<400> 14125

ggaaatccct aagctcaaga cgagttttca tttctcgagc aatttcactc ttccgagaac 60

aaccctagat tccgatgatg aggggtctcg tttccggcgc caagatgcta tcatcaaccc 120

catcgtcgat ggcgacaagc atcgccactg gtagaagaag ctacagtctg attccgatgg 180

ttattgagca ctcatcgcga ggagagagag cttacgacat cttctctcgt ttgctcaagg 240

agcgtattat ctgcatcaac ggtcccatta atgacgacac atctcacgtc gtcgtcgctc 300

agcttcttta cctcgaagtc tgagaatcct tcgaagccga ttcatatgta tctcaattcc 360

cctggcggnc atgtcaccgc cggtcttgca atttatgata ctatgcagta cattcgttct 420

cctattaga 429

<210> 14126
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-F6

<400> 14126

gctccgacaa tggcgatagc tatggcggtt gtttctttcc catctctgct caacaaaaca 60

accttatcct cttcactctt cactcccact ttcctcccgg cgaaatnctc ttcacttctc 120

atcaaatcat caccaaaaac cagattcgtg gtttcatcat ccatggaagc tggaatcgga 180

gtaatggggt canaactcgg gatgatgagt ttcttcgaag aagacggcac agtagttcaa 240

gttaacagtc ttcggatttc cgcgaaaggg taaattctta acccaattca aaaccctaag 300

caacagacgg gttacgannc cgggttaaaa tcnggttaac cgtncgtgtt acgcnancaa 360

naaagctaac ttaaaccggg aaaaccggtc atcctccaaa aanagccggg tacaaatccc 420

aaatgangac atttccaaag aagttcaaga ttaacaaanc at 462

<210> 14127
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-C3

<400> 14127

ntgnngnaac ttcnacgtgn ncgagcccgt cacanattna cnggtccgac ncacgcgtcc 60

gaccacgngt ccgcggacgc gtgggcggac gcgtggggtg agtagcggga aaggttttaa 120

aactgcaaag gcaaggaaag gactgaattt caataatgtt gatggaaaag aaataaatgc 180

taaggttctt tcagaatctg aacgcgcaag caaagctgag gctgaaattg tggctttaaa 240

agatgctctt tctaaagtgc aggctgaaaa ggaagctagc ttagctcagt ttgatcagaa 300

tttggagaaa ctgtctaatt tggagtctga ggtatctcnt gcacaagagg actctanggg 360

tgcttattga acgagccaca agagccgaag ctgaggtcga aacgctcata gaatccctca 420

gcaaagtaga agttgaaaag gagtccagcc ttcntcagta tcagcaatgt ctgcaanaca 480

tanctgattt gga 493

<210> 14128
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-F9

<400> 14128

gnnngnancn ttttcnagcc cgntcggtac cgaatccatn aattcncggg tcnacccacg 60

cgtccgnnag agttctgtag gagatatgaa aagatgcgaa gagatctata cagatatgtt 120

ggaaggagga atagatcctg atattcatgc atttagtatc cttgccaaag ggtatgctcg 180

agctggggag cccgaaaaag cggagcaaat cttgaatcag atgagaaaat ttggtgttcg 240

cccaaatgta gtgatctaca cacagatcat aagcggttgg tgcagtgctg gtgaaatgaa 300

gaaagcgatg caggtatata agaaaatgtg tggaatcgtt ggtttatcgc ctaacttgac 360

tacttacnag actcttatat ggggatttgg ggaagcgaan canccatgga aagcagaaga 420

gcttctgaaa gacatggaag ggaagaatgt tgttcccaca aggaaaacta tgcaactcat 480

anctgatgga tggaatcca 499

<210> 14129
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-A9

<400> 14129

nnnnnnngna antgtntacg cngnnccgta ccggtccaaa annaaaangg gggnccgggc 60

ccacccacgc natccgaaga actttctttt cccagtactt ctcctctgct ttttattact 120

tgtcttcttc tctctttaat tttttataaa tttaattttg ggttgaaaaa aacgaggaag 180

aagagaggag aggagactct ttcttttagt atttatttat ggaggaggag aggagactgt 240

cttaatcgtt tccgggtctc ttattctgat ccattcttct ctcaagatct aagatttact 300

gattttgaag tggagaagaa attagttgtc tcgacaaacc ccactagaaa ctttgtttag 360

tgtgtcttct taaagcctgc aagatgcaga gaccacctcc tgaagattct ccttgaaggg 420

agacgagacc tcatctaagt ggaggaaaac tcnctggaga taagcttaac antacntaag 480

accttgttga gcaaatgcag tatctcna 508

<210> 14130
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-B1

<400> 14130

nnntnnnngn aacttcnacg ctctgtcgng ntcgtcatcn agattanacg ggtcgacgna 60

cgcgtccgat cgtgnctcaa caaagtcatt ggttcgtgtt aaaagtagag atgcccgaaa 120

gatcatatgc agtgcaattt ctaacaccgg atcacatttt gcttactctg accaaattgg 180

ccccagtctg ttcgagttga agaaaaatga atttacaaag tgtccatgga gtgttagtag 240

aaggcgactt cctgaacttc catttgcaca ttccatgatt ttcagttcgg actgctctcg 300

tctaataata gcagggcatg atagaaggat atatactatt gacataagta gtttggaact 360

agtatatgca tttacaccat ctaagggagg agcatgaagg tgaagctcca acacctaang 420

agcctccaat aacaaaattg tttactaact canatggtca antggctaac tgctatcaat 480

tgcnttgggg gacatccatg t 501

<210> 14131
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-B10

<400> 14131

cctttgtgga gcaatactat catattcttc accaatctcc cggtttagtt catcggtttt 60

atcaagattc gagcttttta acccgacctg atgttaccgg tgctgtgact actgtcacaa 120

ctatgcaagc gatcaacgac aagattctgt cgttgaaata tgaagactac acggctgaga 180

tagaaactgc tgatgctcag gagtctcatg agagaggtgt tattgtgctg gttacaggac 240

gcttaaccgg gaacgataat gttaggaaga agtttagtca atctttttc ttggctccac 300

aagacaaagg atactttgtc ttaaacgacg tgtttcgatt ccttgaggag aaagaggtga 360

ctgcacaagc ccgctctgtc cccatcaatg gaaccactan ggatgttcan gctcctattg 420

aaccanaa 428

<210> 14132
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-B2

<400> 14132

gaacgccaca cggtgctaat attatatctc agatccatgg gtatactagc ctgctagctc 60

ttaataaaga gatcaacaaa aagtctgaga ggaaacatga tcttgtcatc gcttcctatg 120

tgttagggga gataccatct ctgaaagaca ggattactgt ggttcgccag ctctgggacc 180

ttacagatga tctcttggtt ttggttgaac caggaacgcc acacggtgct aatattatat 240

ctcagatgcg gtcccatata ctgtggatgg agaagaggaa actgcgtaaa ctgggaaaag 300

aaaatgaaga aagatggaaa ggaggtgctc gatctcaaat ctgggtgcgc atattgttgc 360

tccatgccct catgatggaa agtgtcccgc tggaaaacac tgggaaagta ctgtcanttt 420

gttcagcggt tgcaaa 436

<210> 14133
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-B3

<400> 14133

gggactcctc agctaacgga ttcgattgaa ataccggaat ccgtggaggt tcttggtcag 60

aaaatcgatc tcaatcccat taaaggttta cttacatcag tccaagacac tgcttcttca 120

gtggctagaa ccatttcaaa ccaaccacca ttgaagtttt ctctgcctag tgacaacacg 180

cagtcgtggc tgctcacaac ttatctcgac aaggaccttc ggatctcgag aggcgatggt 240

ggaagcgtct atgtgctcat caaagaagga agctctctct taaaccctta aatcatcata 300

actctcatca catccatagt aacatatata caagtataga cccatctgtc tatgtttact 360

aagtgttgta actgttatat ancttcttta ctgttggaga gttataaact 410

<210> 14134
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-B4

<400> 14134

aaatctcgat gaagaagaag atgattccga cgacgatctt actctcagct ctcattttct 60

ctctatcacc gatctgtgaa gctgtgtggc ttactgtacc tcacaccgga tcaaagtgcg 120

tctccgaaga aatccaaagc aacgtcatcg ttttagctga ttaccttgtt atctccgagg 180

aacattctat cttccctact gtctccgtta aggttacagc accttatggc accgtgttac 240

accacaggga aaatacaaca aacggtcagt ttgcattcac aacccaagaa tcaggaactt 300

tacttggcgt gtttttgagg ccgatgctaa aaatcatggg aacaaaagat tttaacatca 360

acatcgactg ggaaaactgg gaatcgcagc taaagattgg ggactccatt gctaagaaaa 420

gaaaagattc ganggtggta g 441

<210> 14135
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-B5

<400> 14135

gcgtctttcc ttttactccg gaaggaagat ccagaaaggt tttctttcga tcgttgcttt 60

tgactatgca tagatctggt acaacaatgg cgtggaacgt attcaagttc tgtactgcct 120

tacgaggtct tggatcgatc atgatccttt tggttcttgg tgttgtcggt gttacttatt 180

acgctgtcgt tttgactaat tatggtcctg cactctctca aggtggcctt gattctcttg 240

ctgctctcac tatcttaatc ctcttccatt tcctcctggc aatgcttttg tggagctatt 300

tctcaagtgg tttttactga tcctgggtgt tgtgcctcct aattggagac catctactga 360

tgaagaaaga ngtgaatctg atccgttaaa taatttggga ctttgttggt ttacaaaccg 420

a 421

<210> 14136
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-002-Q1-E1-B6

<400> 14136

aatggcaaag acgaagttgt gaaataatcc tctgtttctt cttcttcatt ttaagcttca 60

gggtcatttc tgtttctgca caacaaactt gtgacaacac tgctggtagt ttcaaaccca 120

atagtactta tgacaacaac cgtcgtctcc tcctctctac cttcgcctct aacgtcacgg 180

ctcagaacgg ctacttcaat ggttcgttcg ggcttggtac agacagagtc tacgccatgg 240

ggatgtgcgc tccaggtgct gaacctgatg tttgctccaa ctgtattaag aacacagcaa 300

gagggtttac tacagattct gtctaaacca agacggacgg tttctcatgg tcctgggtga 360

agaaaaccct ttgcccttgt tccgttactc taacaaatcc cttctccggg ctacttggct 420

tgggagcccg tctaatgaa 439

<210> 14137
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-B7

<400> 14137

gaaggtaaag agagaagata gaaacataaa atgtcggaga agaagggaag gaaagaggag 60

gtggtgacca gagagtacac catcaacctt cacagacgcc ttcatagctg tacctttaan 120

aacaaggctc caaaggcgat caaggagata aggaagtttg ctganaanga aatggggaca 180

aaggatgtga nagtggatgt taaattgaac aagcagattt ggagcancgg tntcagaggt 240

cctccgatga gaatcacaat cngagttgct cgtaagagaa ctgatgntta agatgcaaan 300

ggaagattcc tcctcncctt gtcactgttg cctgaaatcc cctgcctaaa ggactcctcc 360

tgggcctccg gnactaaaga ttcattgaac aaataaggat ttaaactatc cttattagtt 420

ancaaacaac catttgtta 439

<210> 14138
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-C1

<400> 14138

nnnggnnnnn nngnaacgtt tactttgccg gtgccggtcc aaaaattnac gggtcgaccc 60

acgcgtccgn ggacgcgtgg ggcggaggtg tacaaagggg ttttaccgga cggagagact 120

gtggcgatca agaagctgac gagacatgca aaggaagtag aagaacgagt cagtgatttc 180

ttatcggagc ttgggataat cgcacatgtt aaccatccaa acgcagctag gcttcgtggt 240

ttcagttgtg atcgcggttt gcattttgtg cttgagtact cttctcatgg cagtcttgct 300

tctctactct ttggatcaga ggagtgtttg gattgggaag aaacggtata aagtggctat 360

gggtatagct gatggtttga gttatcttca taacgattgc cctcgacgga ttattcaccg 420

agacatcaaa gcttccaaca ttttgctctc tcaagactac gaagctcana tttcggattt 480

tggactaact aagttggctc 500

<210> 14139
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-C10

<400> 14139

ggggaagaac aaaattgata tcactgtccc tactggagca caaattatct actccaaata 60

cgcaggaact gaggtggagt tcaatgatgt gaagcatctt atcctcaagg aagatgatat 120

tgttggcatt cttgagacag aggacatcaa agatctcaaa cctttgaatg accgagtctt 180

tattaaggtt gctgaggcgg aggagaaaac agctggaggg ttgttgttaa ccgagactac 240

caaagagaag ccttctattg gcacggtaag tgctcacttg atatcatgtc cattcgggga 300

atctgatact ttcttagtag cttgatgtga tagtcagttc atacacaagt tccaattata 360

catattctcc tcttcatttt atggcaggtg atagcanttg gaccgggttc cctagacaag 420

<210> 14140
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-C11

<400> 14140

atntntnttt ggcccngccc cgtaccanaa ccanaaattc gccggtcnac ccacgcgncc 60

gcncacgcgt ccgagagaac atcccagttc ctctaaaact ggagactata nagaacanag 120

gacacgaacg attcctgcag canatcagga canacccacc atctcctcaa tgcttctctg 180

agaaccggac agctacattg aaacccttga ggaccaaacc tacggtagtg ttgaanagaa 240

aggaagatga agctgaagaa aaaaagaaca gaaagagtgg agaaagcaaa gaancancan 300

ggggattgga cgttctctgg ttcttaaagc cttgcacttt agccaactag annaccttca 360

ccaaattctt tctatattga ttcattcttt tgttaatttc attttattca actgtaacta 420

acgngatgat tatcttgctc agntantaat tctgggcaaa tttgatcaat cgcttacttt 480

tacacataca ag 492

<210> 14141
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-C12

<400> 14141

gtnngnantc natctgntcg nacggtacca naacannaat tcgcnggtcn acccacgcgn 60

ccgntcaatt gaaattcgtt ttcacgattc atccgccatt tttccgggga aaaaacaaaa 120

ggtgagatca aagaggaaaa atggcgcata gggtagaaca ggattatgat tatttgttca 180

agatcgtgtt gattggtgat tctggtgtcg ggaaaacaaa catcttgtct agattcacaa 240

ggaatgagtt ttgtttggaa tctaagtcca ctattggtgt tgaattcgcc accagaactc 300

ttcaggttga aggaaagact gttaangccc agatatggga cactgcatgt caagagcggt 360

acagagctat cacaagtgct tattacagan gagcggtagg tgcacttctt gtctatgaca 420

tcactaaaag acaaaccttt gacaatgttc tgaggtggta cttgaactan gagacatgcg 480

gattcaacat t 491

<210> 14142
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-C2

<400> 14142

atcaacttaa atactacacg gccaaaaaca tttaacaaac gccactcaga tcctgagtct 60

ttggatcaat ggctatttca aatgttattt ctgtcttatt attattgctt gtactaatca 120

atttaagcaa tcaaaatatc aaaggaattg atgcatttca tcagatttac gaagaattgc 180

aatctgaatc agtcgagtca gtgaatcatc ttcacagacc tagttttcac tttcaacctc 240

caaagcattg gattaacgat ccaaatggtc cagtatacta caaaggtctc taccatctct 300

tctaccaata taacaccaaa ggtgcggttt ggggtaatat tatatgggcc cattcggttt 360

ctaaagactt gggttaactg ggaaggctct tgaaccggct cctaatcctt caaaatggnt 420

cgacatccgg agg 433

<210> 14143
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-G1

<400> 14143

gcttctcaan tgcgtatgat ctttctgggg ataaaatttt ccttgaaaag gctatggata 60

ttgcangaca gattattgcc tgcatgggga cactcaatcg ggtataccat ataatattat 120

caacttgaag catggaaatg ctcacaatcc tacatgggcg gggggagaca gtattcttgc 180

agattctggt actgagcagc ttgaatttat tgcccttcc cagaggacag gggacccaaa 240

atatcagcaa aaggtagaaa aggttatttc aagtgcctnn aaaangtaag gancntccct 300

gctgatngtt tacttccgat atatataaat cccgatncag ctaatccatc gccagtccaa 360

cangtancat ttgggtgcca tggggangac aggcntttac cgaaanattt gcntcaaaan 420

tttnggcgtg tttngggaan naancntcag ccagtggnga cnctgg 466

<210> 14144
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-G10

<400> 14144

gnnnnngnaa ctgntacgcc tgcnnttacc ggggccnnaa ttcccgggac gacccacgcg 60

tccggcgttt atactctgta atgccagatc cgcggtaacg caagtcagtg acctactccg 120

gcgtttatca ctgaatccga ttatggctag tcttcttcga tccttaatcc ttttgctaat 180

cgtgcaatca tttttggttg cgatcgcttt cgggtcgaaa gaagttgaag aattcagcga 240

ggcattgctc ttgaagcctt tacctgatcg aaaagtttta gctcacttcc acttcgagaa 300

ccgagctcct ccgtcaaact cccatggccg ccatcaccat ctcttcccga aagctatttc 360

tcagttggtt cagaagtttc gggtcaagga gatggagtta tcttttactc aaggtcgatg 420

gnaccatgaa cattggggag gatttgaccc tctatcaagt atgaatgcga ancctgttgg 480

tgtggagctg tgggctgtgt tt 502

<210> 14145
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-G2

<400> 14145

gatagggctt taattttctc tctgttttgt cataacatca ctgactatat atccttctta 60

atcactttat attatctcgc tatggctttc attgaatggt attttttttg taaatttaan 120

ctttttgttt tctcatcgtt actacttatt tgatttaaaa ggtcttttgt gtgttctggt 180

ggtactattc tgttcaaact tattacaatg gatctatata aagttcgttt caggaagctc 240

ttagataatc atgttatcat ctttttttgt tctagcttcc cntaaaaang ttgcaggtcc 300

ctatgctaag ttatgaataa tgtagtttca nttaacctaa agccacagtc ttaaaaagtg 360

tcaagtacca aattattgaa cataatgnga ttccaggcaa tacccngatg ttttgtgaan 420

antangggta aggctaatan caaaccngtt cctgtnnang 460

<210> 14146
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-G3

<400> 14146

gaacaannnt atattcantn anaaanagga aanaatgaat ttcatctccg atcaggtana 60

gaaactctca agctcaacac cagaggagcc agaccacaac aagccagtcn aaggaaccga 120

nacagctaca agaccagcta ccaacgccga gctcatggca agtgccaang ttgtagctga 180

agctgctcaa gccgcagctc gtaacgaatc agacaaactc gacaagggta aagtcgccgg 240

agcctctgct gatatcttag acgctgccga gaaatacggt aagttccggg aaantganaa 300

gagtancact ggtcagtacc tcgacaaggc tgagaagtat ctcaacgact acgagtcgtc 360

acactccacc ggtgctggtg gtcctcctcc tccgcngagt caggctgaac cancangtca 420

gcctgagccg nnngctaana aagagatgaa nagtctggtg ggtgg 465

<210> 14147
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-G4

<400> 14147

aaagcaaaaa aatctctgta aaagcagaac gataatggag tcacaattat ggaattggat 60

cttacctctt ttgatctctt ctctcctcat ctccttcgtc gctttctatg gattcttcgt 120

caaaccgaag cggaacggtc tccgtcacga tcggaaaact gtttctaccg tcacctccga 180

cgtcggatct gttaatatta ccggagatac tgtcgctgat gtcattgttg ttggagctgg 240

tgttgctggt tctgctcttg cttatactct tggaaagggg aanttaaacg ccgagttcat 300

gtgattgaaa gagatttatc ggagcctgat cgtattgttg gggagttgtt acagcctggg 360

ggttacctca agttactggg agttgggaat tggagattgt gtgggaanaa atagatgctc 420

ngggtgtgta tggttatgca cttttaaaan tggga 455

<210> 14148
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-G8

<400> 14148

aaaccctaat attttcttga ttttttttcaa gaaaataaaa acataaagat gcttgaagtt 60

agatcaatgg atatgactcc aaaatcacca gaacccgaat ccgaaactcc gacccggatc 120

caaccagcta aaccaatctc tttcagtaac ggaatcatca aacgccacca ccaccaccac 180

cacaacaaca acaaagtcac ttacaaagaa tgtctcaaga accacgcggc ggcgattggt 240

ggtcacgcgc ttgacggttg cggcgaatnt tttnaattgc cgtctccttc gtcaacacct 300

tccgatccaa cttctctcaa gtgtgcagct tgtggttgtc accgtaactt ccaccgccgt 360

gaaactgacg attccngcgg cgcgttgnac caccgtggnc ttcttccatc ttcanggggc 420

aaccggcgca attgagtatc aaccncaggc a 451

<210> 14149
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-G9

<400> 14149

nnnnngaact gttaccctgc ccntaccggg ccaaaattcc cgggaacgac ccacgcgtcc 60

gatggaaccg ccggccaccg catctaatcg ctcttccaga cggctactct ttgaccgccg 120

ttacggctgg gtgtaaattc tctatcttta tcagttaaat tcattttcca atttaatgga 180

gacaaaatga ttctgtgttg gcttaacagg gtcgacgaat ggaaggaccc atcggaggaa 240

gctctcgccg gcggcagagg aatgttttgt gtagttccct tgacnaaaac tctgtttcag 300

acagcttcac aatcaatgaa ctcagctgtc aaatttctgg atatgaagtt tcagaaattg 360

gcaaatccta tgcacaatcc aagtggagat ttagggtcaa aatcaaatgt gttggattaa 420

caagtacatg tgtttagtgt tggattatac gtctaaatct catctatgta ctttgttcaa 480

agtttttgct tgtgttca 498

<210> 14150
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-H2

<400> 14150

gcaaaaaacc aaaaatcnaa tctttggatt cttacttcta cgatttgtgt gtttcctcaa 60

acccaaatgt ctcgtctccc gattttaatc gcttcgtgtc tcttcctctc ttcactcacc 120

gccgccgtcg tcaccgccgc cgaatccgat actccgacgg cttattcact cctccaaagc 180

tacaacttcc ccgtcggaat ccttccaaaa ggagtcgtag cttatgattt agacacaaca 240

acaggcaaat tccatgcgta tttcaacgat tcatgtagct tccaaaaaaa tcttgttggt 300

tcttaccaat tgaattacaa atcaacaatc agtggttaca tctccgagaa caagctcaag 360

aaattgactg gtgttaaagt caaagttttg ttcttgtggc ttaacatngt cgaggttatt 420

agaangggtg acganatgga gttttcccgt tgggattaac at 462

<210> 14151
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-001-Q1-E2-H6

<400> 14151

gaaagataga gaaaaaaaat gggaggcaaa ggtgtgatga tggtggcgat actttgcctt 60

tgggcactct ctgcaacatc tgaagcagta acagaggctg agccaggttt gatgatgaac 120

ttctacaagg acacgtgtcc tcaggccgaa gacatcgtcc gtgaacaagt caaactcctc 180

tacaaacgcc acaagaacac cgctttctct tggctccgta acatcttcca tgactgcgcc 240

ggnttttga gtcatgtgat gcgtcgcttt tgctggattc gacaagaaga gagctaggag 300

aagaaagaac acgacaggag cttcggactt anaaacttta ggtacatcga gganatnaag 360

gaagcnctcg anaaggaatt gtcngggtgt tgtctcatgt tctgacattc cttgncttgt 420

<210> 14152
<211> 125
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-H8

<400> 14152

ggttatnana tgcctgcana tattcttgct aaatggattg catcataagt ctcaggttta 60

cacacaacat gcttacatga cacccccttgg agtacttgcc atggttctag gtattgatna 120

agaga 125

<210> 14153
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-A10

<400> 14153

gnnnngnaag ttnttctgcn cgntcggtac canacannaa ttcgcgggtc nacccacgcg 60

nccgnngggt tcttattatt gaagtacatc aaagagttgc agatagagag aaacattcgg 120

taacaaacat ctgaactgtt gttatgaaac gaggattctc cgattctcct tcaagctctg 180

ctcctcctcc ttcttccaga ttcaaatcta atcccgaagg tgattctcag tttctggaag 240

atgagactac aaagaatttt gcccggaaag ttgctgatca ttacagtagg agaacaaacc 300

aaacattgga agagcgagaa gctagtccca tcattcattt gaagaaactt aacaattgga 360

ttaaaagtgt tttgatccag ctttatgctc gtcctgacga tgctgttctc gaccttgcct 420

gtgggaaggg tgggtgattt gatcaagtgg gataaggcga naatcgggta ctatgttggg 480

aattgatatt gctgaangg 499

<210> 14154
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-A12

<400> 14154

ggggnntgna gttctttctg cncggtcggt accanacana aattcgcngg tcnacccacg 60

cgtccgnnca ggagcaggga agcatatcca agccggagcc tcgaaagtta tcatcactgc 120

accagccaaa ggtgctgata tccctaccta tgttatggga gtcaatgagc aagactatgg 180

tcacgatgtc gctaacatta ttagcaatgc atcttgcacc accaactgtt tggcaccttt 240

tgctaaagtc ttggatgaag aatttggaat tgtcaagggg acaatgacaa ccacacactc 300

ctacaccgga gaccaaaggc ttctaagatg catcacacag ggacctaagg cgtgcaagag 360

ccgcagcact gaacatagtg cctaccagca caggagcagc caaggcggtg tcattagtgt 420

tgccgcagct gaagggtaaa cttaacggca ttgcactccg tgtgccaaca ccaaacgtct 480

cagtggttga cttgttata 499

<210> 14155
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-A4

<400> 14155

gnnnnngnaa ctctacttgn ncgggccggt ccannnatta acgggtcgac gcacgcgtcc 60

gatttttaaa gtttcaatct ttttaaaatt atttttttatt ttttggtaat cgtttctaag 120

aaatctctcc tcccgttgcc tgtggactgc ctgaatcaaa agacaatggc aacatgttct 180

tcaagcttat tggtgttacc aaatttgaga ttgagttcta accaaagacg caatttcaag 240

gtaagagctc aaatctctgg tgaaaacaag aaggcgacat cattggaacc agtgaacaac 300

aacggttcgg tctctttgtc tactactgtt caaaaccaaa aaggggcaaa tgaagtgaat 360

gggaaaggga aatccaagag aaagatagtg agtgatgaaa ttgagttgtt atgggatgat 420

ggggtatggc tccaaatctg tttaaagata ctttgcctgc cggctaaaga gattttgaag 480

gctgatggtg gtcctccac 499

<210> 14156
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-A6

<400> 14156

gctttgtcac atgaaattcg gactattctt cttcttcgcc ttctttgttg tcataatgac 60

aatattcatc tacttgatgt tgcctgagac aaagaatgtg ccaatcgaag agatgaacag 120

agtgtggaag gcacattggt tctggggaaa gtttattcct gatgaagctg tcaatatggg 180

tgctgctgag atgcaacaga agtccgtatg atgatgatca agaatgaagt tttctttggg 240

caataaagat ttatgagaaa agagaaagtg aataattctt gggatgaaat aaagaataat 300

ttgtcaaaaa atgccttact tcctaaaaag aaanctggct ccgtccttaa ncttcaagag 360

aacttaagct tcaattggtt tccttccttt cttccntttt ttaatggttc ctntgttg 418

<210> 14157
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-F9

<400> 14157

cttggctcaa taactattaa tgttgaacgt gaaggccaaa cgggtccagt gtggcactca 60

ttagacagcc cgtctgggca ggtttgcctt aacattaatg caatcaaact acccgtgaat 120

gctcctaggg ctgtaactgg atatgctgga gccggtanaa gaagggtcac attggatcag 180

caaggcccaa caattgtaca tcaaaagcca gggcctctgc agacgatatt tgatctcctc 240

ccggatgagg ttgtcgagca cagttattca tgtgccctgg agaggtcatt cctgtatcat 300

ggccgaatgt atgtttccgc gtggcacata tgtttccact ccaatgtttt ctctaagcaa 360

atgaaggttg ttgtccctct cggagatata gatgagattc gtagaaatca acacgcgttg 420

ataaacccag ctatag 436

<210> 14158
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-A7

<400> 14158

ncagaaacac acagagaaat taagaaccct aatttaaaac agaagaatgg tacattcgaa 60

gaagttccga ggtgtccgcc agcgtcagtg gggttcttgg gtttctgaga ttcgtcatcc 120

tctcttgaag agaagagtgt ggctaggaac attcgacacg gcggaaacag cggctagagc 180

ctacgaccaa gccgcggttc taatgaacgg ccagagcgcg aagactaact tccccgtcat 240

caaatcgaac ggttcaaatt ccttggagat taactctgcg ttaaggtctc ccaaatcatt 300

atcgggaact attgaacgct aantaaggaa gaactgtaaa gaccagacac cgtatctgac 360

gtgtctccgc ctcnacaacg acagctcaca acatcggcgt ctggcagaaa cncgccgggt 420

caaaaa 426

<210> 14159
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-E3

<400> 14159

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tattagcaat ggtggccggg atgctgcatc tctaaaaact acaaattttg gttcgtccgc 120

gctggatttg gttaaaaaga aactacatga ttctggaatg cctgtctcat ctacgataac 180

atctgaagca aatagtggta aaacaactga ggtcacaccc agtggagaaa gtggaaatag 240

tacgggtaag gtgaaagatg ctcctggagc tggggccctt tccgattctt cttcagattc 300

ggaagatgaa gatagtggac catcgaagga agagtgttct aaacagttta aggaaatgct 360

gaaagagaga ggaatagcac cgttttctaa atgggagaag gaattgccaa aaattatctt 420

tgacccccgc cttaaagnaa tancaagtca atcccggtna aaa 463

<210> 14160
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-A11

<400> 14160

caaacgtcna aggaaaagtt gatgangatg gctaacactg tccgcactgg cggaaagggg 60

acagtaagaa naaagaagaa ggctgttcac aagaccacta caaccgatga cangaggctc 120

cagagcactc ttaanagagt tggagtcaat tccattcccg ccattgaaga agttaacatt 180

tttaaggatg atgtagtcat tcagttcatt aaccctaaag ttcaagcttc aattgctgct 240

aacacatggg ttgtgagtgg tacaccacag acgaaaaaat tgcaagacat tcttcctcag 300

attatcagcc aacttggacc agataacttg gacaacctga agaagctagc anagcaattc 360

cagaaacaag ctccaggtgc aggtgatgtc caacaacaat ccaagaagag gacatatgat 420

gaagtccaaa tnttgtagtg ggaga 445

<210> 14161
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-A4

<400> 14161

gggggacact tttgttttta taacttacgc ttaaaatcct atgaattcgc cgccggttga 60

cgcaatgatt accggagaat catcgtcaca aagatctatc ccaacgccgt ttctcacang 120

gaacgtttaa cctcgttgaa gatagttcca tcgacgatgt tatctcatgg aacgaagatg 180

gttcctcttt catcgtatgg aatccgacag atttcgctaa agatttgctt cctaaacact 240

tcaaacacaa caatttctct agtttcgttc gtcagctcaa cacttacgga ttcaaaaaag 300

ttgtaccgga tcgatgggag ttttcaaacg atttctttaa gagaggagaa aaacgtcctc 360

tccgtgagat tcaacgtcgg aaaataacaa cgacgcatca aacaattgtt gcccctcgtc 420

gggacaacga aaccaagacg aagggtt 447

<210> 14162
<211> 855
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-A4

<400> 14162

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catcatcgtc acatagatcc tccttttttcg ttaattgggg agagatatac tttcttttga 120

ggatcagatc gtgacagggt ttagctcaag gagagggtga gaaaaagaag aagaaggtga 180

gaaaagtgaa ggcaaggctt tgaggatgtc ttttacagga actcaacaga aatgcaaggc 240

ttgtgagaag actgtttatg ctgttgagct tctctctgct gatggagttg gatatcacaa 300

gtcttgcttc aaatgcactc actgcaaaag caggcttcag ctgagtagtt actcatcaat 360

ggaaggtgtt ttttactgta agcctcattt tgagcagctc tttaaggaga gtggtagttt 420

caacaagaac tttcagtcac ctgcaaaatc ggctgacaaa tcaactcctg agctgacaaa 480

ggacgcctaa ccgagttgct gggcaaggtt ccctggtaca caaagagaaa atgccccaac 540

tttgttagta aaaactggtg ttancctaat tgaaaanggt aacaantcna agaacccaga 600

catttcacaa gtcccngctt caaattgctc aaaatggaag gnttgcccaa atttcaccnt 660

tccaaantaa cgcaagctcc ntnaaaggga atcccggtta cngcaaagca ancaattttc 720

gcncaaaccc cttcaanggg naaangggaa attttnaacc cacnttaanc caaatcccgc 780

tttcaaanaa aaancctttt gaaanccgna aaaaaattnc ccccccgggt nttccaaaaa 840

aacccccccgn ttccc 855

<210> 14163
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-H10

<400> 14163

gcggaacgcg tgggcggacg cgtggggaaa aacaaaatgg cttcgatggg tggattacac 60

ggtgcatctc cggcggttct tgaaggaagc ttaaagatca atggctccag ccgtctgaat 120

ggctctggaa gagtggcggt ggctcaaagg tctagacttg tcgtcagagc tcagcagagt 180

gaggagactt ctcgccggtc cgtgattggg cttgttgctg ctggtttagc tggtggctcg 240

tttgttcagg ctgtcctcgc cgatgctatt tcgatnaaag ttggcctcct ccagctcctt 300

ccggtggnct tcctgggaca agataactca gaacaatnca agaaaacttt gcatttggca 360

ttggaaanga canggtttaa cttacaagcc atttgccaac caancaanaa agcctgcaag 420

cctaataagc ccaa 434

<210> 14164
<211> 206
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-033-Q1-E1-B8

<400> 14164

gcttctatat gcaatagaga actatctata tctataaatc tatatcgact gaggaagata 60

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agtcctttgc ttaagattct tgtaatggcg ttaaaaaact tgaagaaagg aatattatta 180

ttgttaaaaa aaaaaaaaaa agggcg 206

<210> 14165
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-H1

<400> 14165

cgcggacgcg tgggatctgt agcgacggcg aaatcttcga cggcggtgat gagctccatt 60

ccgccttttc tgagcaaaac gtacgatatg gttgacgatc cattgacgga cgacgtggtg 120

tcttggagca gcggaaacaa cagcttcgtg gtttggaacg tgcctgagtt cgccaaacag 180

tttctaccaa agtatttcaa gcacaacaat ttctccagct tcgtcagaca gctcaatact 240

tatggtttta gaaaagttga tccagaccgc tgggagtttg caaacgaggg ctttttaaga 300

ggccaaaagc anatactaaa gagtattgtc cggcganaac ctgcacaagt gcaacctcca 360

aaacaanctc aagntcaagc aactcaacct gtgggttgcg ttgcgttgga ngtgggcaaa 420

nttggactcc aaanaaggaa ntggaaaaga gcttcagcgc gnataa 466

<210> 14166
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E1-A10

<400> 14166

ttctttggac acggatggct caagccttgg ctcaaccacc actggtggtc accaccgtcg 60

tcccagaccc gccgccgccg ccaccaccac cgcacccaaa gccgtatgct ctacgataca 120

tggcggatct tcttggccgg attggtataa tggatacaga caaagatggt aacatcagcc 180

cacagagtcc gaggagtcct aggagcccaa gaaacaacat tctcatgggg aagtacgagc 240

ttgggaagct tctcggccac ggaacctttg caaaggttta tttagctcaa aacatcaaat 300

ctggagataa agtcgccatt aaagtcatcg acaaggagaa gattatgaag agtggtttgg 360

ttgctcacat caaacgggaa atctctatcc tccgccgtgt ccgtcancct tacatcgttc 420

atctantcna gggtanngg 439

<210> 14167
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E1-A9

<400> 14167

nnnnnnngna acttctagcc gcccggcccn nnnnaaacaa aaattcgccg gtcgacccac 60

gcntccgatt caaactggcc ggcacatgat ttgcatcagg gcattggaat ggattgggat 120

tcgatcaacg atttgagggt tgacatgggt agaatacagc aaaggatgga taacctgcag 180

aggatgctag aggcttgcat ggaaatgcaa ctcgagttac aacggtccat aagacaagag 240

gtctctgctg cgatgcaccg ctctactgac caaccaggtc catccaagga cactgcgagt 300

tacgagtcaa aatgggaata tgtaaggaaa gggatctgct gcgtatgctg cgagagcaat 360

attgactctt tattgtatag atgtggacat atgaacacct gcgagaagtg tgcaaagaag 420

ctagtggaag cgggaggaaa atgtcccatg tgtcaagccc ctgtgattga agtaattcnt 480

gcctaaacca atcctttgaa nc 502

<210> 14168
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E1-B10

<400> 14168

ggngngnngn atcttcnagc cgntcggtac cgnnacagna attcgcgggt ccgacccacg 60

cgnccantgg gttttagctt agggaagctt ctagatctct ccgatgatcc cttgtggaca 120

actggatgga tttatgttag ggtgcagaac caacttgcat ttgtatataa cggtcaggtt 180

gtcgttgaca cttcattgtc tctaaaaagt cgtgattata gtcacatcat tagcgttaaa 240

ccgcttgcta tagctgcaac ggagaaggct caatttacag ttaaaggcat gaatctccgt 300

cagcgtggca caaggttact ttgttctgtt gaaggaaaat acttgattca ggaaacaaca 360

cacgattcga cgaccaggga ggatgacgat ttcaaggaca acagtgagat tgttgagtgt 420

gtaaacttct cttgtgatat gcctatattg antggtccaa ggattcatgg ngattgaana 480

ccaaaggact caattncaac ttcttcc 507

<210> 14169
<211> 212
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E1-B11

<400> 14169

tgttacttta ggagtaacat ttctcagact cggaactgaa gacaaatggt atatttgata 60

catatatgtt tattgtagca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aangggcgg 180

ccgcccnaaa ggntcnaanc ttacttacnc gt 212

<210> 14170
<211> 280
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E1-C11

<400> 14170

gccgttcaag aagcgatgtt cttggatctg gtactggaac ttatggacat ggaagtataa 60

tgcgaggagg tggtatatct ccggccaaac ctaccaacac cggaggagga tccanctcgc 120

cggtaaatgt cggtagctct antataagta ntagtactgt tgctacggga gagactccta 180

tatggaaaan agcgatttta ggttcggatt canangaagt gaacagagta gggaatgaan 240

tgtatacgaa aggtttgttt aatgangctt tgaanttgta 280

<210> 14171
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E1-D11

<400> 14171

ataggctcgg aggctaattg cgctgtttgc acggagattt tcgagacgga gacggaggcg 60

cgtgagatgc cgtgtaaaca ccttttccac gacgattgca tcgtaccgtg gctatcgatt 120

cgaaactctt gtcccgtgtg cagattcgag ctaccttcag agcctaatcg acggngcaac 180

aacaacgagg aggataacgc cgtggggatg acgatttgga gacttcccgg tggtggattc 240

gccgtaggga ggtttaacgc agcaatgaga gacggagaga gagttttgcc agtggtgtta 300

acagaaatgg atggtggtgg gattggtaat agccaggatg gtcctagacg gatctcatgg 360

gttangtcac acggtacact cgaatcggat agtaacggta ctggctcaag ttccggntcc 420

cgngngaaaa tt 432

<210> 14172
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-H10

<400> 14172

cacgcgtccg cnaacgcgtc cgatttttg aqacttcttc tcttttgcgg tttcgtgttc 60

cactcctctc ttcttggccc acgtgttcat caatctctcc ctccgcatgt aatcgcttcg 120

ccgtcaatat cacatctttc ttcttcttta tctttaaaat ctctttagat cgattctttt 180

gtggattctt gaaatctccg gagaaaacca ctatggagac ggcgactgaa gtggccacgg 240

tggtgtcaac tccggcggtt acggttgcgg cggtggcgac gaggaagaga gataagccgt 300

ataaagggat aaggatgagg aagtggggga agtgggtggc ggagataaga gagcctaata 360

aaaggtcaag gatttggctt ggctcttact ctactcctga agcggcggcg cgtgcttacg 420

acacggcggt gttttatctc ccanggtc 448

<210> 14173
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-B10

<400> 14173

ccggtttctt accaattcgc cattctacaa cagacanaca acataagccc aagaccaaca 60

actaccggct ttctctattc cggcgccgga nactactccc agatgtttga cgcantagaa 120

gacnacggaa gtctagagga cctcggcggc gttggacacg cgtcttctan ggcggcggag 180

aaaaaacggc ggttgggtgt agagcaagtg aaagcgttag agaagaattt cgagattgat 240

aacaagttag agccagagag gaaagtgaag ctggctcaag agcttgggtt gcagccacgc 300

caagtcgcga tctggtttca nanccgccgt gctcggtgga agacaaagca gcttgaacgt 360

gattacggcg ttcttaagtc aaactttgat gcactcanac gcanccgcga ctcgcttnaa 420

cgcgagaac 429

<210> 14174
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-G5

<400> 14174

gtgattgtgt tgttaaagat tcggcaaact acttggatca cataaatggg aaaaaacatc 60

aaagggcatt ggggatgtct atgcgggtgg agagatcgtc acttgaacaa gtccaagagc 120

ggttcgaggt tttaaagaag cggaaagcgc caggaacttt cacagaacaa ggtaagactt 180

ctgagaggaa ccatctctta gttatgtant ttgatgtatc ttcagaaata agaaactatt 240

ctctggaaaa aaagctagan canatctaag taggttggaa aataacattg angttgcgac 300

ttagtcntca tctaatgcat gggtanattt gggataactg nattttggtc ctgatctggg 360

aacagatctg gaataacgca tccgaanaca gca 393

<210> 14175
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-B6

<400> 14175

gcccacgcgt ccgcccacgc gtccgctgag cagcacaagt ctgcgagatt tggattagat 60

ctgattcagg ttggattgat catcgttcgg agctccggga aacatggcgg cgacgagaca 120

attnggaact ctccaatctc agcctgaaaa caaggtatgt gtcgattgcg ctcagaagaa 180

tcctcaatgg gcgtcggttt cgtacggaat cttcatgtgt ttggaatgct ccgggaaaca 240

ccgaggctta ggcgttcaca tatccttcgt cagatccgta accatggatt catggtctgc 300

gatccagatt aagaaaatgg aagctggtgg taacgaacgg ntcaacaaat tcttcgcgca 360

atacggaatc gctaaggaga cagatattat ctccaaagta caattcgaac gctgcntctg 420

tgtatcctga ccgggtnca 439

<210> 14176
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-G10

<400> 14176

gtccgganca tcgaaaggtc gacccacgcg tccgatcaat tctctctatc tctttctaaa 60

acacaaccat gactgtttct tcatctccat gggctctcat ggctctcttt ctaatggttt 120

cttcaacaat ggtaatggct attcctccac gcaaggccat tgatgtacca tttggtcgta 180

actacgtccc aacttgggct tttgaccacc agaaacagtt caatggcggt tccgaacttc 240

agcttatcct cgacaaatac actggcacag gatttcaatc aaaggggtca tatttgtttg 300

gacattttag tatgcacata aagcttccag ctggtgacac agccggagtt gtcacagctt 360

tctatctatc atctancaac aatgagcatg acgagataga cttgagttcc ttggaaacag 420

aacaggacaa ccagctatat tacaagacaa atgtattcac aagaaggaaa nggaaac 477

<210> 14177
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-047-Q1-E1-C1

<400> 14177

gccttaatat aaaaccaaac atcaatctct cgccgttaag gttacatctg tcgccgccgc 60

tgagaccgcc acttaaggcc gtctcctccg ctctatccat atccaaaaca gctataaaga 120

taaacttcca gagcttggtg aaggagcagc aaccctagtt ttcaatccct aaagatatta 180

gttctccagc gagttgacac aaaacccgat tacgtttcat ccggcgactc gctttgatat 240

tccatggatt ctcagttgaa tccttccaag agacgcaaga taagtgtcag gcacagatgc 300

gttgcgtgct ataagatgtt caatagacga gaacacctcg ttgagcacat gaagatttcc 360

taccactcac ttcagcagcc tcgctgtggg gtttgcctca agcactgtaa atccctccga 420

atccgtgagg gaacacttaa cgttcagacc 450

<210> 14178
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-E1

<400> 14178

ggcagcacaa gtctgcgaga tttggattag atctgattca ggttggattg atcatcgttc 60

ggagctccgg gaaacatggc ggcgacgaga caattacgaa ctctccaatc tcagcctgaa 120

aacaaggtat gtgtcgattg cgctcagaag aatcctcaat gggcgtcggt ttcgtacgga 180

atcttcatgt gtttggaatg ctccgggaaa caccgaggct taggcgttca catatccttc 240

gtcagatccg taaccatgga ttcatggtct gcgatccaga ttaagaaaat ggaagctggt 300

ggtaacgaac ggctcaacaa attcttcgcg caatacggaa tcgctaagga gacagatatt 360

atctccaagt acaattcgaa cgctgcttct gtgtatcgtg accggattca agctttanct 420

gaangtagac catggaatga ttcgccagtt gttaaggaag cga 463

<210> 14179
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-D1

<400> 14179

aactggtttg ccttgcctag gctccggaaa tcccgngtcg acccacgcgt ccggaagagc 60

tggatgctgc cagtttgcgt gaacacgagg agttcacgaa agtgaagaac atagctacga 120

ttgagcttgg gaagtatgag attgagacgt ggtacttctc tccttttcct ccagaataca 180

atgactgcgt gaagctcttt ttctgtgagt tttgcctcag ttttatgaag cgcaaagagc 240

agcttcaaag acatatgagg aaatgcgatt tgaagcaccc ccctggggat gaaatctatc 300

gaagctctac tttgtcaatg tttgaggtgg atggcaagaa gaataaggtc tatgcacaga 360

acctctgtta tctggcaaaa gttatttctt gaccacaaaa ctctttacta agacgttgat 420

tgttcctggt tccataatcc nctgtgaatg gtgatgatng ttggatgcca catngtttgg 480

atacntttca aaaggganaa acactca 507

<210> 14180
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-041-Q1-E1-C8

<400> 14180

ggagacagta gtaagaaaga agaagaagaa aaatggaaga tacgaagaag aaaaagaaga 60

agaatattaa caacaaccaa gattccaaga aaaaagagcg tcatattgtt acttggtcac 120

aagaggaaga tgttatacta agagaacaaa taactctaca tggaactgaa aattgggcga 180

tcattgcatc aaagttcaaa gacaaaagca caagacaatg cagaagaaga tggtatacat 240

acttaaactc tgatttcaaa agaggaggtt ggtcccctga agaagatatg cttttgtgtg 300

aggcacaaag agtatttggt aatagatgga ctgagatagc aaaggtggtt tcaggcagaa 360

ctgataatgc tgtgaagaac aggtttacaa cactttgtaa gaagagagcc aagcatgaag 420

ctatgactaa agacagcaac tcaaacacca 450

<210> 14181
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-042-Q1-E1-B10

<400> 14181

ctgaatcaag agattaaaca aaaattgaac ggacttgctt tgacacagca gaccgtaaat 60

cgggatgggt gctcctaagc agaaatggac tcaagaagaa gagtcagctt taaagtctgg 120

agttataaag catggacctg gtaaatggcg cacaattctc aaagatcctg aatttagcgg 180

agtcttgtac ctgcgttcca atgttgatct taaggacaaa tggagaaaca tgagtgtcat 240

ggcaaatggc tggggatcgc gcgaaaagtc taggttagct gttaaaagga cgttctccct 300

tcctaaacag gaagagaact cactagccct aaccaattct ttgcaaagtg atgaagaaaa 360

tgtggatgcg acctctggac tccaagtttc ttctaatcct cctccaagga gacctaatgt 420

aaggttggta gccttatatg gaagcaat 448

<210> 14182
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-D11

<400> 14182

ttaccgggcc aaaattcccg ggancaccca cgcgtccgct catcacaacc cttcaaaaag 60

agaaaagatc taaagaataa acaagagccc taatatcaaa tcacaaccaa aaaaaccaaa 120

gaaagctaat taaagttttc tctctagcta ttcctcttct tttcttgttc ttgaaaacta 180

gggtttactt caccaaaaga taagatcttt ccccagaaaa agcaataccc aagtcatgtt 240

tctgtgtgtc tgtatataga taaaacatta cataccctaa taaggttaca caaatagcta 300

taaaagaggg aaaataagat agggattttt tggggtgagg aaagatggga agaggaagag 360

tagagctcaa gaggatagag aacaaaatca acagacaagt gacgtttgct aaacgtagaa 420

atggtttgct gaaaaaagct tatgagcttt ctgttctctg cgatgctgaa gtctctctca 480

tcgtcctctc caaac 495

<210> 14183
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-C11

<400> 14183

cccggtccga caaaccgggt ngncccacgc gtccgataaa aaagagtctt tgagtttgtt 60

ggttgcattg atcggatata agagacatgg gtcgagtgaa attggagata aaacgaatag 120

aaaacacaac gaatcgacaa gttacattct ccaaaagang aaatggtctt ataaagaaag 180

cttatgaatt gtccattctt tgtgacatcg acattgctct cctcatgttc tctccctctg 240

atcgccttag cctcttttcg ggcaaaacaa ggattgaaga cgttttctct agatacatca 300

atctttctga tcaagaacga gagaatgctc tagtattccc cgatcaaagt cgacgcccag 360

atttccagag caaagagtat ctactccgga ctttgcagca actcaaggct gagaatgata 420

ttgctcttca acttancaac cctacagcta tcaactccga cgtcgaggaa cttg 474

<210> 14184
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-G4

<400> 14184

cggagagaaa gatgggtaga ggaaagatcg agataaagag gatagagaac gcaaacaaca 60

gagtggtgac gttctcaaag aggaggaatg gattggtgaa gaaggctaaa gagatcacag 120

ttctttgtga tgcaaaagtt gccctcataa tctttgcaag taatggtaag atgattgatt 180

actgttgtcc ttccatggat cttggtgcta tgttggacca ataccagaag ttatctggca 240

agaaactatg ggatgctaag catgagaacc ttagcaatga gattgatagg atcaagaaag 300

agaatgatag cttacaactg gagctcangc atttgaaggg agaagatata cagtctctca 360

actttgaaaa atctgatggc tgtccagcac gccaattgaa catggcctcg acaaagtccc 420

gagaccacca gattggagat tccttatatc aaagaggaga aattga 466

<210> 14185
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-F9

<400> 14185

gcccacgcgt ccgaaaatgt catctcttca ctggtttccc aatatcttca tcgttgtcgt 60

cgtcttcttc tccttgagaa gttcacaagt tgtactagaa gaagaagaat ccacagtcgt 120

tggatacggc tacgtcgtta gatcagtggg cgttgattct aaccggcaag ttttgacggc 180

gaagcttgat ctgataaaac catcgtccgt ttacgcacca gatattaaat cgcttaatct 240

tcatgtcagc ttggagacaa ntgagcgttt gagaatcaga atcacagact ctagtcaaca 300

aagatgggag ataccggaaa ccgttattcc ccgtgccgga aaccaactcc cctcgccgtt 360

tctcaagggg gggaaaacgg gggaaactcc ccggganaaa aatttcttan caaattcccc 420

aacggacttg ggtttcaccc ccaaaaaaaa ag 452

<210> 14186
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-036-Q1-E1-C3

<400> 14186

ttcgaattct acactctttc tccgtcgttt acctctacta cacctacgtt ttctcatgaa 60

gtaatcgttc tcgatctcag ttttcgtttt tgatctaact tattctttga tagatttaga 120

aatcggggat tttcagattg tgtttttgag aggtttttat aggaaaatat ctctagaaga 180

agaagaataa tattatattg attttaattt tggtgagaag aagtcaaaaa gtcaacgaga 240

aatggggtcg ttgcaaatgc aaacaagtcc tgaatccgat aatgatccga ggtacgccac 300

ggtgacggat gagaggaaga ggaagagaat gatctctaac agagaatctg ctcggaggtc 360

aaggatgagg aaacagaagc aacttggtga tttgatcaac gaagtcactc ttctcaagaa 420

tgataacgct aaaatcactg agcaagttga t 451

<210> 14187
<211> 360
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-104-Q1-E1-B12

<400> 14187

gaagaatatg gcgagaggga agatccagat caagaggata gagaaccaga caaacagaca 60

agtgacgtat tcaaagagaa gaaatggttt attcaagaaa gcacatgagc tcacggtttt 120

gtgtgatgct agggtttcga ttatcatgtt ctctagctcc aacaagcttc atgagtatat 180

cagccctaac accacaacga aggagatcgt agatctgtac caaactattt ctgatgtcga 240

tgtttgggcc actcaatatg agcgaatgca agaaaccaag aggaaactgt tggagacaaa 300

tagaaatctc cggactcaga tcaagcagag gctaggtgag tgtttggacg agcttgacat 360

<210> 14188
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-074-Q1-E1-F8

<400> 14188

cggacgcgtg ggcaacacat caataacgcc tggtggtcga aaaagcatgc tgaagttagc 60

tcaacgcatg acgttcaact tctgttcggg aatctcggcg ccgtcggtcc acaattggag 120

caagctcact gttggaaatg ttgacccgga cgttcgagtt atgacccgta agagtgtgga 180

cgatccagga gagcctccgg ggattgtttt gagtgctgcc acttctgttt ggctacctgc 240

tgcaccacag cgtctgtatg atttcttgcg gaacgaacgg atgagatgcg aatgggatat 300

tctatccaac ggtggtccca tgcaggagat ggcccatatc accaaaggtc aagatcacgg 360

tgtctctctg ctccgctcca atgcaatgaa cgcgaatcag agtagtatgc taattcttca 420

<210> 14189
<211> 366
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-100-Q1-E1-G12

<400> 14189

acgcgtccgt ggagaactcg ttaactgcaa aagagaagat tatttcggag cttaatatgg 60

agattcacaa tgttgagaca gctttagcta atgagcgaga aagtcatgtt gccgagataa 120

agaaattgaa ttctttgctc aataaaaagg atactatcat tgaagagatg aagaaagagc 180

ttcaagaaag accatcagca aaattagttg atgatttgcg caaaaaagtg aaaattctgc 240

aggctgtagg ttacaattca attgaggctg aagactggga tgctgctacc actggtgaag 300

agatgagcaa aatggagtcg cttcttcttg ataaaaacag aaaaatggaa catgaggtca 360

ctcagt 366

<210> 14190
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-088-Q1-E1-C12

<400> 14190

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agaagaaatg gtttattcaa gaaagcacat gagctcacgg ttttgtgtga tgctagggtt 180

tcgattatca tgttctctag ctccaacaag cttcatgagt atatcagccc taacaccaca 240

acgaaggaga tcgtagatct gtaccaaact atttctgatg tcgatgtttg ggccactcaa 300

tatgagcgaa tgcaagaaac caagaggaaa ctgttggaga caaatagaaa tctccggact 360

cagatcaagc agaggctagg tgagtgtttg gacgagcttg acattcagga gctgcgtcgt 420

cttgaggatg aa 432

<210> 14191
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-098-Q1-E1-F9

<400> 14191

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ccgacgtttc tccaccgtga tcagaatgtc agcctcttcc tcaccgcctc ctccaaccac 180

cgccacctcg aagtccaaga agggaacgaa gaaagagatt caagagtcgc ttcttactcc 240

gaggttctac acgacggact tcgaggaaat ggaacagctt ttcaacacgg agatcaacaa 300

gaaccttaac gaagcagagt tcgaggctct gcttcaagag ttcaagaccg attacaacca 360

gacacatttc gtgaggaaca aggagtttaa agaagctgca gac 403

<210> 14192
<211> 349
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-024-Q1-E1-B1

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ttccttcatc aagaccctca agaggattcc tttggttact tctttagcct ctgagatctt 180

ggctgcttat ctcatgcctc ctgttgagtc tggctctgtt gatttcgccg agtttgagcc 240

taatcttgtc tattagtagc tgcaatgtca agtcttgagt ttacggctgg ttcttgattt 300

cttgtaattg aatgatcgaa actgagaaac atcgtctttt ttttttgc 349

<210> 14193
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-025-Q1-E1-A12

<400> 14193

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acgaaccttt atctcacatc ttcgtcatga acaatgtcca ttacatagtt cagaaggtca 120

aaagctctcc ggagctaatg gagttgatag gagacaagta tttaaggaag cttaccggga 180

tatttagaca agcagctacc aagtatcaga gagctacatg ggtcagggtg ttgaatagct 240

tgagagatga aggattacat gtgagcggaa gcttctcttc cggtgtatcg aagagtgctt 300

taagagagag gtttaaagct ttcaatacaa tgtttgaaga ggttcacagg attcaatcga 360

catggtcggt tccggatact cagcttagag aagaactcag gatatctcta tcggagcat 419

<210> 14194
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-H7

<400> 14194

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atggaatgac gtcgttgaat cgcagtgctt ccgaatgggc attcaatcgt ttcatacaag 120

aatcctccgc cgctgcagac gacggagaat ctacgacggc gtgtggtgtt tccgtctcct 180

ctcctcctaa tgttcctgta gattcagagg aatacagagc atttctcaag agtaaactta 240

atcttgcttg tgctgctgtc gccatgaaaa gggtactcac tactctgctc angtttgaat 300

ttttttttttt ttcatagaac aagaaaaaca aaaacttttt atctgttagt ttgatgagtt 360

cacttgaagc taagaaacta atcttgtttt gttatgtttg agtgttaaga tcntattgga 420

ccttttgta 429

<210> 14195
<211> 383
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-040-Q1-E1-F10

<400> 14195

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cacatctgtt tcaatcatgg cggagaatgg tgaagagaag ttacttgctg ttgcgcgtca 120

catatccaat acacttgggc acaatgaatc catggtcgat gatatcttac atatcatctg 180

caacttcgac ggcagatttt ctcgctagaa gctcgccaaa ggtcaagctg gtgaatatgg 240

atccggagtc gccacactcg agcaagctcg aaattcaata tacggtcaga tgactcgctt 300

tgttgctgcg gactaatcaa tttgggctga tcctgcagat tcagctgctt tcctcgatac 360

agtcgatgag ctcgttgcaa tca 383

<210> 14196
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-040-Q1-E1-E1

<400> 14196

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aaacaactga gcaacatgaa tcacaagtat gacgaggctg ctgttggcaa tagaatacta 120

aaggctgaca ttgagacatt aagagctaag gtgaaaatgg cggaagaaac cgtgaagaga 180

gtaacaggaa tgaatccgat gcttctcgga agatcaagtg gacataacaa caacaacaga 240

atgccaataa ctggtaacaa caggatggat tcttctagca ttattccagc ttatcaacca 300

cactcaaacc taaaccatat gtcaaaccaa aacatcggga tcccaaccat tctacctcca 360

agactcggaa acaatttcgc tgctcctcca tccaaaacag ctctccttgc 410

<210> 14197
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-074-Q1-E1-H2

<400> 14197

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gataaatatt tgatgtggca aaactcttgt ggatcttgat gttcaaacat tcatgtctcc 180

ggtgattagt gaaatcctta gatctggttt aactatagac tcgtctctta gacgcaggac 240

ccatcttgtt caatctttct ccgtcgtctt tctctactgg ttctatgttt tctcataaat 300

cagctctcct ttagcgcttt attattagat attctataac cataataata tattaaaact 360

atatactata atctttttac ataataaact ttgggtc 397

<210> 14198
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-D6

<400> 14198

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aagggtatct tgagcgatgt agagcttctc aaagagatca ctgatgcctc acgtggcgct 120

gtttccgcct ttgtggaaaa aacaacaaat agcaaaggac aggtggtgga tgtgtctgac 180

aagcttacct cgcttcttgg gtttggaatc aatgagccat gggttgagta tttgtccaac 240

accaagttct acagggcgaa cagagataag ctcagaacag tgtttggttt ccttggagag 300

tgcctgaagt tggtggtcat ggacaacgaa ctagggagtc taatgcaagc tttggaaggc 360

aagtacgtcg agcctggccc cggaggtgat tccatcagaa acccaaaggt ctntacaacc 420

ggtaaaaaca tc 432

<210> 14199
<211> 210
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-D5

<400> 14199

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gacgactgaa acaactccga cgccggcgat 210

<210> 14200
<211> 202
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-097-Q1-E1-H11

<400> 14200

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aaccgtcgta tgatttctcc ggcgcctccg tgctcggatg gggagatggt tattacaaag 120

gtgaagaaga taaagcaaac ccgagacgga gatcgagttc gccgccgttt tctactccgg 180

cggatcagga gtacaggaaa aa 202

<210> 14201
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-058-P1-E1-A2

<400> 14201

cccgaatctg gatccgactc cgagtccggt tcattctcag acccagaatc cgaaattcaa 60

taacactttc tcccgagaac ttaatttttc gacgtcaagt tctactttag tgaaaccaag 120

atccggcgag atattaaact tcggcgatga aggtaaacga agctccggaa acccggatcc 180

aagttcttat tcgggtcaaa cacaattcga aaacaaaaga aagaggtcga tggttttgaa 240

cgaagataaa gttctatcat tcggagataa aaccgccgga gaatcagatc actccgatct 300

agaagcttcc gtcgtgaaag aagtagcagt agagaaacgt ccaaagaaac gaggaagaaa 360

gccagcaaac cgtagagaag agccactaaa ccacgtcgaa gcagaga 407

<210> 14202
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-G7

<400> 14202

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ttcttgatgg gtttaagaga gtaaagatca tcaagtacta tgcattaaat tgagaagtta 180

ttaaaaattt cgaaagtaat taaagattgt tgatgatgaa gagattaagt agttcagatt 240

cagtgggtgg tctcatctct ttatgtccta caacttccac agatgagcag agtccgagga 300

gatacggtgg gagagagttt cagtcgatgc ttgaaggata cgaggaagaa gaagaagcta 360

tagtagaaga aagaggacac gtgggcttgt cggagaagaa gagaaggtta agcattaacc 420

aagttaaagc tttggaga 438

<210> 14203
<211> 344
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-110-Q1-E1-B12

<400> 14203

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agttattaaa aatttcgaaa gtaattaaag attgttgatg atgaagagat taagtagttc 120

agattcagtg ggtggtctca tctctttatg tcctacaact tccacagatg agcagagtcc 180

gaggagatac ggtgggagag agtttcagtc gatgcttgaa ggatacgatg aagaagaaga 240

agctatagta gaagaaagag gacacgtggg cttgtcggag aagaagatan aggttaagca 300

ttaacaagtt aaagctttgg agaagaattt tgagttagga gaat 344

<210> 14204
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-045-Q1-E1-F7

<400> 14204

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tctttctctc tgtttcctct ttctcagaac tcagaagtag ttgttgtttt atttctgttg 120

atcaaaaatg gaatccaatt cgtttttctt cgatccatct gcttcacacg gcaacagcat 180

gttcttcctt gggaatctca atcccgtcgt ccaaggagga ggagcaagat cgatgatgaa 240

catggaggaa acttcgaagc gaaggccctt ctttagctcc cctgaggatc tctacgacga 300

tgacttttac gacgaccagt tgcctgaaaa gaagcgtcgc ctcactaccg aacaagtgca 360

tctgctggag aaaagcttcg agacagagaa caagctagag cctgaacgca agactcagct 420

tgccaagaag cttggtctac ag 442

<210> 14205
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-101-Q1-E1-H2

<400> 14205

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tttgaaatct ctcactaata tttcccaaga aaacctgatg aattaaaagt tcatattttc 120

ttggtgttga ttggtattag atgactattt cttagtatta gtcaattctc tgtttccatc 180

ttatatggat agtctagaca cagagcaaag atccttcttt ggagaaaaag aagatgagag 240

acgagagagg atcgtttctt cacgtattgg tcgtagatag atcttaatcg ataaccatct 300

aggccttgat ctaaccattc aatataaact ttatttcctt cttcttttcg atctcaattg 360

ttccgaccaa acaagattaa g 381

<210> 14206
<211> 417

<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-067-Q1-E1-A5

<400> 14206

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agaatattct ccggcgatga tgtcagcaga gccattcttg accatgaaga agatgaagaa 120

gagcaaccac aacaagaaca atcagagaag gtttagcgac gagcagatca agtcactgga 180

gatgatgttt gagtctgaga caaggcttga gccaaggaag aaggttcaat tagctagaga 240

gctagggttg cagccgaggc aagtggctat atggtttcag aacaagaggg ctcgttggaa 300

atccaagcag ctcgagactg agtacaacat tctcagacaa aactacgaca acttggcttc 360

tcagttcgag tccttaaaga aagaaaaaca agctttagtc tctgagaggc taaaaga 417

<210> 14207
<211> 219
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-087-Q1-E1-A9

<400> 14207

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tccggcgatg atgtcagcag agccattctt gaccatgaag aagatgaaga agagcaacca 120

caacaagaac aatcagagaa ggtttagcga cgagcagatc aagtcactgg agatgatgtt 180

tgagtctgag acaaggcttg agccaaggaa gaaggttca 219

<210> 14208
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-031-Q1-E1-D12

<400> 14208

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atctccaagt tctcttcccc aaagctctca aacccgagca aattcctctc cggccgacgt 120

ttctccaccg tgatcagaat gtcagcctct tcctcaccgc ctcctccaac caccgccacc 180

tcgaagtcca agaagggaac gaagaaagag attcaagagt cgcttcttac tccgaggttc 240

tacacgacgg acttcgagga aatggaacag cttttcaaca cggagatcaa caagaacctt 300

aacgaagcag agttcgaggc tctgcttcaa gagttcaaga ccgattacaa ccagacacat 360

ttcgtgagga acaaggagtt taaagaagct gcagacaaat tgcaaggacc tctccgacag 420

a 421

<210> 14209
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-026-Q1-E1-C2

<400> 14209

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ccaaaatgac atcttctctg tcacttcact cctccttcgt accttccttc gctgatctct 180

ccgaccgagg tttgatcagt aagaactctc cgaccagtgt ttccatttcc aaggttccaa 240

cttgggagaa gaagcagatc tcaaatcgga actctttcaa gctgaattgc gtgatggaga 300

aaagtgtcga tggtcaaact cattctaccg ttaacaatac cactgatagc ttaaatacta 360

tgaatatcaa agaagaagct agcgtctcta cattattggt gaacttggat aataaatttg 420

attcctttga tgcaatgagc actccgctt 449

<210> 14210
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB23-024-Q1-E1-F5

<400> 14210

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aaaggtagat cgttcttgta agaacatcgc tctgagagtt acttgtgaag cgggaagagt 120

ggagctgcta gagagaaaag cctcagagac tttcaagtta aacaaaagtg agaaaaaatt 180

gacctgtgta atgaaattcg gtggctcatc agtggcatct tcttataaag gatgatacaa 240

gttgccaaac tcatactcag cttcgcagat gagatagctg ttgttgtgct atcagcaatg 300

gcaaagacca ccaataagct tttgatggct ggggagaaag ctgtttgctg cggtgtcacc 360

aacgtcgaca ctatcgaaga gttgagctat at 392

<210> 14211
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-062-Q1-E1-F6

<400> 14211

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gttccaattt ttatctgttt ttcttcacgg aaatccagtt aaggtttcca cattgcacag 120

ctgtaccatt tgtcgagatc acaacacgca agtctcttag atttagcaag cttatggctt 180

cattgcagtt gtacggagtt aaaactccag ggcttgcttt aagttcaaag aggcttgagt 240

ttgcttcaaa gggggcatgt ttttcagtta cgttgccctc aagtagtgct gtctttagag 300

acgtagagca ttcttgtagg aatataggtt tgagagttag ttgtgaagct ctaagagtcg 360

atttgcttca aagaaaagag cctgagacgt gcgattcaag cggaactggc aaagaat 417

<210> 14212
<211> 277
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-025-Q1-E1-E9

<400> 14212

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attgaggttg cattgagggt ctcaccagtc tagtgcccta ccatcgtcac ctcctccgcg 120

ggctccgggt ttcactgccg ttctgatccg gatcacttct gttctcccgt ctgtggatca 180

gctccctgtc ctgtccgttc ctccgctgtg atttcctcct cattcatcgg cgacgctgga 240

tcagccgcca agatcttaag atttctgccg aatttcg 277

<210> 14213
<211> 217

<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-H11

<400> 14213

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ctcttttctc gaaagtcttg cggttttctg aatcatctct atctggtttg agggtttcgt 120

ttgatatctg gagaaagggg tttctggaaa caaggagttc ataattcgcg atcttgatct 180

atcgatcttc atttatatat aaaagcgtga atgagat 217

<210> 14214
<211> 221
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-H8

<400> 14214

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atcaagaaat tcaaatcttc tgtctactca aactgctcca agaggccatc ctgagtacca 120

gcgtgcaccg atcttcataa tatagttata gctttcttta ctttccagtt tataattttc 180

ttctttcaaa gctccttttc tgctggttcc cggatccaat c 221

<210> 14215
<211> 323
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-040-Q1-E1-H8

<400> 14215

gtttctctca actttagggt tttcacttat tctcgaaagt cttgcggttt tctgaatcat 60

ctccatctgg tttgagggtt tcgcatgcta tctggacaaa cgggtttctg gcacacacga 120

gttcataatt cgcgatcttg atctagcttc atttaaatat aataacatga atgagattat 180

aatagactct acaggtgata cacagaagtc catcagtagt aattccttag tttacgaagc 240

tccccacagt tacagcattg aagacgttcg tccaaactgt ggcatcaaca aattcaaatc 300

ttctgtctac tcaaacatgc tca 323

<210> 14216
<211> 187
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-A10

<400> 14216

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tcgtttgata tctggagaaa ggggtttctg gaaacaagga gttcataatt cgcgatcttg 180

atctatc 187

<210> 14217
<211> 278
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-E10

<400> 14217

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agtcttgcgg ttttctgaat catctctatc tggtttgagg gtttcgtttg atatctggag 120

aaaggggttt ctggaaacaa ggagttcata attcgcgatc ttgatctatc gatcttcatt 180

tatatataaa agcgtgaatg agattatgat ggagtcgaaa ggtggtaaaa agaagtccag 240

cagtagtagt tccttatttt acgaagctcc cctcggtt 278

<210> 14218
<211> 371
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-116-Q1-E1-A9

<400> 14218

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acagagtgga acagtgatgt accagacgtt tgagaagctt ggtaagtact gtggatcgcc 120

tagatctacc ttgaagtgtg aatggagcag caacaatagc tgcagcagcg aggacgagaa 180

cgacgaggga atctagcaga atttttcttc ctaataacta ttttcgagct ttctgttttt 240

gttctttctt tttaaaaaac ttattaagtt cttatgaata atgacttgtg aagtttgagt 300

tcgtcacctt cacaagcaag ttgtattggt gttttctact ttatgaatat gggttttata 360

taacacataa c 371

<210> 14219
<211> 353
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-104-Q1-E1-B5

<400> 14219

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cttttctcga aagtcttgcg gttttctgaa tcatctctat ctggtttgag ggtttcgttt 120

gatatctgga gaaaggggtt tctggaaaca aggagttcat aattcgcgat cttgatctat 180

cgatcttcat ttatatataa aagcgtgaat gagattatga tggagtcgaa aggtggtaaa 240

aagaagtcca gcagtagtag ttccttattt tacgaagctc ccctcggtta cagcattgaa 300

gacgttcgtc caaacggtgg aatcaagaaa ttcaaatctt ctgtctactc aaa 353

<210> 14220
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-083-Q1-E1-C8

<400> 14220

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tctggaaaca aggagttcat aattcgcgat cttgatctat cgatcttcat ttatatataa 180

aagcgtgaat gagattatga tggagtcgaa aggtggtaaa aagaagtcca gcagtagtag 240

ttccttattt tacgaagctc ccctcggtta cagcattgaa gacgttcgtc caaacggtgg 300

aatcaagaaa ttcaaatctt ctgtctactc aaactgctcc aagatgccat cctgagtacc 360

agcgtgcacc gatcttcata atataatt 388

<210> 14221
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-083-Q1-E1-D10

<400> 14221

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tttctcgaaa gtcttgcggt tttctgaatc atctctatct ggtttgaggg tttcgtttga 120

tatctggaga aaggggtttc tggaaacaag gagttcataa ttcgcgatct tgatctatcg 180

atcttcattt atatataaaa gcgtgaatga gattatgatg gagtcgaaag gtggtaaaaa 240

gaagtccagc agtagtagtt ccttatttta cgaagctccc ctcggttaca gcattgaaga 300

cgttcgtcca aacggtggaa tcaagaaatt caaatcttct gtctactcaa actgctccaa 360

gaggccatcc tgagtaccag cgtgca 386

<210> 14222
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-091-Q1-E1-G12

<400> 14222

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atatctggag aaaggggttt ctggaaacaa ggagttcata attcgcgatc ttgatctatc 180

gatcttcatt tatatataaa agcgtgaatg agattatgat ggagtcgaaa ggtggtaaaa 240

agaagtccag cagtagtagt tccttatttt acgaagctcc cctcggttac agcattgaag 300

acgttcgtcc aaacggtgga atcaagaaat tcaaatcttc tgtctactca aactgctcca 360

agaggccatc ctgagtacca gcgtgcaccg atcttcataa tatagttat 409

<210> 14223
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-038-Q1-E1-E1

<400> 14223

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tctcaaattt agggttttct cttttctcga aagtcttgcg gttttctgaa tcatctctat 120

ctggtttgag ggtttcgttt gatatctgga gaaaggggtt tctggaaaca aggagttcat 180

aattcgcgat cttgatctat cgatcttcat ttatatataa aagcgtgaat gagattatga 240

tggagtcgaa aggtggtaaa aagaagtcca gcagtagtag ttccttattt tacgaagctc 300

ccctcggtta cagcattgaa gacgttcgtc caaacggtgg aatcaagaaa ttcaaatctt 360

ctgtctactc aaactgctcc aagaggccat cctgagttac agcgttcacc gatcttcata 420

atatagttat 430

<210> 14224
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-031-Q1-E1-D10

<400> 14224

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ttttctcgaa agtcttgcgg ttttctgaat catctctatc tggtttgagg gtttcgtttg 120

atatctggag aaaggggttt ctggaaacaa ggagttcata attcgcgatc ttgatctatc 180

gatcttcatt tatatataaa agcgtgaatg agattatgat ggagtcgaaa ggtggtaaaa 240

agaagtccag cagtagtagt tccttatttt acgaagctct cctcggttac agcattgaag 300

acgttcgtcc aaacggtgga atcaagaaat tcaaatcttc tgtctactca aactgctcca 360

agaggccatc ctgagtacca gcgtgcaccg atcttcataa tat 403

<210> 14225
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-050-Q1-E1-F4

<400> 14225

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tctctcaaat ttagggtttt ctcttttctc gaaagtcttg cggttttctg aatcatctct 120

atctggtttg agggtttcgt ttgatatctg gagaaagggg tttctggaaa caaggagttc 180

ataattcgcg atcttgatct atcgatcttc atttatatat aaaagcgtga atgagattat 240

gatggagtcg aaaggtggta aaaagaagtc cagcagtagt agttccttat tttacgaagc 300

tcccctcggt tacagcattg aagacgttcg tccaaacggt ggaatcaaga aattcaaatc 360

ttctgtctac tcaaactgct ccaagaggcc atcctgagta ccagcgtgca ccgattctca 420

taatatagtt atagctttcc ttta 444

<210> 14226
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-041-Q1-E1-B7

<400> 14226

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aaatcaaaat ggcttcacac attgttggat acccacgtat gggccctaag agagagctca 120

agtttgcatt ggaatctttc tgggatggta agagcactgc tgaggatctt cagaaggtgt 180

ctgctgatct caggtcatcc atctggaaac agatgtctgc cgctgggact aagttcatcc 240

ctagcaacac ctttgctcac tacgaccagg ttcttgacac caccgccatg ctcggtgctg 300

ttccacctag gtatggatac actggtggtg agatcggcct tgatgtttac ttctccatgg 360

ctagaggaaa tgcctctgtg cctgccatgg aaatgaccaa gtggttcgac accaactacc 420

attacatcgt ccctgagttg ggccc 445

<210> 14227
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-H1

<400> 14227

aagccctatc aaacacataa agttcnttct cntactcatc tcccgccgcg ggcaagtaaa 60

aaatatcaca tcgttagggg tttcacggcg gagattcaag ttctttgacc tangaagctt 120

tcactatcac cggagactat ttcaatggca accatggcta ggtcgtttct gcaggcgata 180

tcgaaggatg aggcggtggc tcctccgctt agagttgttc agatcgaagg actggctgta 240

ctaaagataa tcaaacactg caaggagttt tcaccgaccc ttgtcactgg acagcttctt 300

ggacttgatg ttggtagcgt cctcgaagtt accaattgtt ttcctttccc ggtcagggat 360

gatgatgaan aaattgaaac tgatgggtgc naattatcan cctganatga tgagatgtct 420

gaaggaagtt aatgttgaca acaa 444

<210> 14228
<211> 366
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-H3

<400> 14228

ccggaaaana aaannccttn gaatnagntt naatttttna aaaaaaattt ggngcctncg 60

gctttggctt tttgcctnaa aggtaaaggt atattgttaa gaacttctcc cttcatacat 120

tacagcttca gagttgggag aaaactgtag actgttacag tcctggacag ggtttgatgc 180

ctgcaagttt taaagtaaga actgtggcgc ttgatgagaa cactacggaa gaagttttgg 240

attcggattt tggtgaanca actaatgggc ctgttgcncc cgtggattcc gggttgtggt 300

ggattaatcn cctgaaggca tatggaaaag ataactggag aattcncgtt acaagaaaag 360

atanat 366

<210> 14229
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-H4

<400> 14229

nttnngcccc aagnattcca caggnctcac gggtcgnccc acgcgtcant aatttcctct 60

tnatatntca ncaaangatc tgtnagcgaa agnagctgag ttcccggagc catcggaaga 120

agcaaanctt ttcgtcggaa atttggctta tgatgttaat acccaagctt tggctatgct 180

ctttggagca agccggtact gttgaaatcg ccgaggtata tacaataggg gaaactgacc 240

aagagtcgtg ggtttggatt tgtgacaatg agttctgtgg acgaagctga gacagctgtg 300

gagaagttca accgttatga tcttaacgga cgtctactaa ctgtaaacaa ggaactccaa 360

gangatnacg tcaaaactgc gccccggtaa tgacctgcat cagatatatg tnnggaatca 420

caagggatgn gaaatggcgt ctaaaanctt tcantaacat ggaaattgtg gagctaggtg 480

gttacac 487

<210> 14230
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-H5

<400> 14230

ggaacaaagc cttttagata gttccgtctg cgaaccctaa aatcattcaa taaacttcga 60

acaaaaacga atgcttttgt tcaatcatct tctcagtttc tgattccgaa gaaaccctaa 120

tcaaataaat catggactgc tcatgcagta ctcgtccttc gtctctgctt atctcttccg 180

aaccatcttt tcgctttcct cactctaatt tctcctcgaa tctcagcttt cagataccga 240

aagatacgaa gttggtgaag cagcgtttgg tagtgagaag ttcctctggg ttctgattat 300

caaaacggcg acgttaatgg gtttcctctc aaaccaaaac aaaactcctt aagcaagagg 360

gcgaattgga gctgaagtat ggagaaaggt ttgnagactt ttagacagga tggtcctcct 420

aaagtggatg tggatttccg gaatgagaaa ctaca 455

<210> 14231
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-H7

<400> 14231

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actgttacta tctatgttcc tcgcaaactt tatcaccgat cttgaagctt cttctcatca 120

agatctcaac caaccgtacc ggaccggtta tcactttcaa cctctcaaaa attggatgaa 180

cgatcctaat ggaccaatga tatacaaagg aatataccat ctttttttacc aatataaccc 240

atacggtgcc gtttgggatg tgagaatcgt gtggggacac tccacgtcag ttgacttaat 300

caactggatt tcacaaactc caacttttaa tccaacctca accgtcagat atcaacgggt 360

tgttggtcaa gntccgtnaa cgaatcctaa caaacggnaa acccggtgat tccccaanac 420

cgggcattgg accaaaaaca aaanggtcaa 450

<210> 14232
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-H8

<400> 14232

nnnnncccnn nnnccnnaaa nnnnaaaacc cnnnggccca naacgcgtcn ataatttcct 60

cttcatattt caagaaaact ttaatctttt tttgtgtgta gaattctata tttctggtaa 120

ctaaatggcg agcgagggag ttgtagttgt cggaggggag agagaagggg ctgagatcgt 180

gtacggggcg gaggaatgtt acaagcaatc attggagctt ctagaggagc tagggtttcc 240

aaaaggagtc atgcctttga agaatcttgt tgagtgtgga agagttagag ccactggtta 300

cgtttggatg aagcaagaca ctccttacga gcatttcttc gaagccacca acactcgtgt 360

ctcctacggt ctcgaagtca ccgcctatgt ccaacaaant gttgtatgaa gaaaatgaca 420

aggagttaaa gagtaagcaa atgtttttgt gggtancgat cgtggagatg aantatggag 480

gaaccaaaaa gcaagaagat ttacttcaag actcct 516

<210> 14233
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-085-Q1-E1-F1

<400> 14233

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tctagctcaa ccatggcgtt gctcgtcgag aagacctcaa gtggccgtga atacaaggtc 120

aaagacatgt ctcaagccga tttcggtcgt ctcgaactcg agctcgccga agttgagatg 180

cctggactca tggcttgtcg taccgaattc ggaccttctc agccattcaa aggcgctaga 240

atcaccggat ctcttcacat gaccatccaa accgccgtac tcatcgaaac cctaactgct 300

ctcggtgctg aagtcagatg gtgttcctgc aacatctttt ccactcaaga ccacgccgcc 360

gcagccatcg ctcgtgactc cgccgctgtt ttcgcctgg 399

<210> 14234
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-062-Q1-E1-D3

<400> 14234

atctcagatc tagctcaacc atggcgttgc tcgtcgagaa gacctcaagt ggccgtgaat 60

acaaggtcaa agacatgtct caagccgatt tcggtcgtct cgaactcgag ctcgccgaag 120

ttgagatgcc tggactcatg gcttgtcgta ccgaattcgg accttctcag ccattcaaag 180

gcgctagaat caccggatct cttcacatga ccatccaaac cgccgtactc atcgaaaccc 240

taactgctct cggtgctgaa gtcagatggt gttcctgcaa catcttttcc actcaagacc 300

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ttcaggagta ctggtggtgt accgagcgtg ctctaaattg ggg 403

<210> 14235
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-051-Q1-E1-D12

<400> 14235

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ctagctcaac catggcgttg ctcgtcgaga agacctcaag tggccgtgaa tacaaggtca 120

aagacatgtc tcaagccgat ttcggtcgtc tcgaactcga gctcgccgaa gttgagatgc 180

ctggactcat ggcttgtcgt accgaattcg gaccttctca gccattcaaa ggcgctagaa 240

tcaccggatc tcttcacatg accatccaaa ccgccgtact catcgaaacc ctaactgctc 300

tcggtgctga agtcagatgg tgttcctgca acatcttttc cactcaagac cacgccgccg 360

cagccatcgc tcgtgactcc gccgctgttt tcgcctggaa aggtgagact cctcaggagt 420

actggt 426

<210> 14236
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-023-Q1-E1-B6

<400> 14236

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cgttgctcgt cgagaagacc tcaagtggcc gtgaatacaa ggtcaaagac atgtctcaag 120

ccgatttcgg tcgtctcgaa ctcgagctcg ccgaagttga gatgcctgga ctcatggctt 180

gtcgtaccga attcggacct tctcagccat tcaaaggcgc tagaatcacc ggatctcttc 240

acatgaccat ccaaaccgcc gtactcatcg aaaccctaac tgctctcggt gctgaagtca 300

gatggtgttc ctgcaacatc ttttccactc aagaccacgc cgccgcagcc atcgctcgtg 360

actccgccgc tgttttcgcc tggaaaggtg agactcttca ggagtactgg tggtgtaccg 420

agcgtgctc 429

<210> 14237
<211> 224
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-095-Q1-E1-A1

<400> 14237

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ggtcagaagg acgaggctct tttctctgcc aatgctgcgg ctttggcttc aaggagatct 120

tccccaagag tcaccaacga gggtgtccag aaggctgctg ctgctttgaa gggatctgac 180

caccgtcgtg caaccaatgt tagtgctagg ctagatgctc agca 224

<210> 14238
<211> 387
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-068-Q1-E1-B1

<400> 14238

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acacattgtt ggatacccac gtatgggccc taagagagag ctcaagtttg cattggaatc 120

tttctgggat ggtaagagca ctgctgagga tcttcagaag gtgtctgctg atctcaggtc 180

atccatctgg aaacagatgt ctgccgctgg gactaagttc atccctagca acacctttgc 240

tcactacgac caggttcttg acaccaccgc catgctcggt gctgttccac ctaggtatgg 300

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tgtgcctgcc atggaaatga ccaagtg 387

<210> 14239
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-002-Q1-E1-D4

<400> 14239

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tttctgggat ggtaagagca ctgctgagga tcttcagaag gtgtctgctg atctcaggtc 180

atccatctgg aaacagatgt ctgccgctgg gactaagttc atccctagca acacctttgc 240

tcactacgac caggttcttg acaccaccgc catgctcggt gctgttccac ctaggtatgg 300

atacactggt ggtgagatcg gccttgatgt ttacttctcc atggctagag gaaatgcctc 360

tgtgcctgcc atggaaatga 380

<210> 14240
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-012-Q1-E1-G10

<400> 14240

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caagtttgca ttggaatctt tctgggatgg taagagcact gctgaggatc ttcagaaggt 180

gtctgctgat ctcaggtcat ccatctggaa acagatgtct gccgctggga ctaagttcat 240

ccctagcaac acctttgctc actacgacca ggttcttgac accaccgcca tgctcggtgc 300

tgttccacct aggtatggat acactggtgg tgagatcggc cttgatgttt acttctccat 360

ggctagatga aatgcctctg tgcctgccat ggaaatgacc aagtggttcg aca 413

<210> 14241
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-062-Q1-E1-A4

<400> 14241

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caaaatggct tcacacattg ttggataccc acgtatgggc cctaagagag agctcaagtt 120

tgcattggaa tctttctggg atggtaagag cactgctgag gatcttcaga aggtgtctgc 180

tgatctcagg tcatccatct ggaaacagat gtctgccgct gggactaagt tcatccctag 240

caacaccttt gctcactacg accaggttct tgacaccacc gccatgctcg gtgctgttcc 300

acctaggtat ggatacactg gtggtgagat cggccttgat gtttacttct ccatggctag 360

aggaaatgcc tctgtgcctg ccatggaaat gaccaagtgg ttcgacaaca 410

<210> 14242
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-G6

<400> 14242

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gaaanttggg ttctagaaca tgctaagctc aaggcaagag ttgaggtact tgagaagaac 120

aaaaggaatt ttatggggga agatcttgat tcgttgagct tgaaggagct ccaaagcttg 180

gagcatcagc tcgatgcagc tatcaagagc attaggtcaa gaaagaacca agctatgttc 240

gaatccatat ctgcgctcca gaataaggat aaagccttgc aagatcacaa caattcgctt 300

ctcaaaaaga ttaanggaga gggagaaaga aacnggtcaa caagaaggnc aattaatcca 360

atgctccaac tcctcctcaa ttcctccgcc tcaatactgc gtaacctcct ccananatgg 420

ctttgtggan anaattgggg gaaaaaacng tggtgc 456

<210> 14243
<211> 60
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-D9

<400> 14243

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<210> 14244
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-E2

<400> 14244

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cccanttctc cgattccctt cactaaagta acaccaacac caataatcca caaccacaga 120

tnaacatgca ctatacccac aaagcctcgt ctacgtctcc tccgccgctc cgccgtcgct 180

ggaaccgccg tatctgatna aacagaagga ggtggagatg ttcttttaaa ccctgaagaa 240

gagaaacgtg ttgaggtggc ggattatgat tggacagang aatggtatcc aattgtactt 300

aactaaaaac gtccctgaag atgcgcctcc ttgggctcaa cgttcnacga ttgtcaaaat 360

tgnttttggt ataaaagacc ggtnaaangg aacacttccc ttggttacna aagattnggg 420

ggtccccaac cngttggggt aaanttgtcc ggaaangggc aanttaattg aaggggaaaa 480

att 483

<210> 14245
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-E3

<400> 14245

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ccgatgaaag attaacagag atctccatgg atttcaccaa attaggattc ccagaagaag 180

atgaagaaat taaaaaattg gagagatcgt ggagtaagct cgaagaatcc gtcgaattta 240

acgaagacga tgaagaagaa gaagaagagt tttcgtttgc ttgtgtaaac ggagaaggat 300

ctccaattac cgctgatgaa gcttttgaag atggtcagat tcgtcctgtg tttcctctgt 360

ttaaccgtga tctctcttcg agtacgaaaa cgaagatgac aaaaacgaca acgtttcggt 420

caccga 426

<210> 14246
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-E4

<400> 14246

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cagagagaaa ggaaagcttt agtcttttac cagtttgatc caattctggg tttcactgaa 180

aaaaagttgg gagtttgatt cttctaactg tagaagaaac agagtcaaca gaagaaaact 240

aaaaaagttg agatttttct ctcacgcgct caagaacttg agtatgtctt cttctgtagc 300

aantgttatg ggttgcnact tcttcccaaa atcaagaacc aatggacaaa ttgtggggtt 360

gggaaagggg tccaaaatcc tccaanactg gtccccccct ggtcaagaat caagagacta 420

aacaaaaggn aagaaagaaa caagatacca acttgggagt tcctcctt 468

<210> 14247
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-E6

<400> 14247

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ctgcattgag tgctagtaaa ggcgtcaaat cagcggatgc tgggagtatg aagatgacca 120

tgttgtcgat gggaaagact ttggttgagc agaagaagaa tacaaagata atgacattga 180

aggaaaagaa agagttggtc atagatatgg tgaaatggac taaaatggtc gctacatttg 240

tgaagtcggc ctccgagcag aaaggaaagt ctatcaatat agcatcttat ggtcttgatg 300

tcgatgttaa cgatagttcn attgtcggtg ganctgcaan tagtgaatca tcctccacta 360

aatcctggat cggtttccaa ttaccggaag tgttccnaca agtccnaaag aatccaanta 420

ntaatgggaa gttctgccaa tgggaa 446

<210> 14248
<211> 76
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-E8

<400> 14248

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nagaattgca tcagga 76

<210> 14249
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-E9

<400> 14249

nanagataan ttcancctga caacatggag accangaatg agaattctga tgtttcacgg 60

gcagaggagt ttaaaagtca ggccaacnaa gcttttaaag gtcacaaata ctccagtgct 120

attgatntan atacagnagc tattgaactc aacagcaaca acgctgtgta ttgggcaaat 180

cgtgcatttg ctcacacaaa actggaggaa tatggcantg caatacanga tgcatcgaag 240

gccattgaag ttgattcaag atactctaag ggctattaca ggcgtggtgc tgcgtatctt 300

gccatgggaa aatttaagga tgccttgaag gacttccaac angtaaaaag gctttctcct 360

aatgaccctg atgccacaag aaagctanag g 391

<210> 14250
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-F10

<400> 14250

aaaatggcgg caatcagaac gatgacgaac atgattctac gcgagttcat ccatcatcca 60

cttctccttc actcttcatc gaaatcgtgt caatctcttt taccatgtct ccgtctcact 120

cgcctaattt ctccaattca ctctaattcc cggctcgtat ccgtccgatg tgcggcatcg 180

acctccggtg gaagcggtgg tgatcggaan gtctcttcan ggttgtcgca ngtgcancan 240

atgcttcatg aacccgaaga gagagctagt tccgctggca atgagcctac tcctcaaatc 300

actctagaca atgttacact taactttgct agaagtggtg gtcctggagg ccagantgtg 360

aacaaattga ataccaaagt agatatgcgc ttcaatgtta ngaacgcg 408

<210> 14251
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-F2

<400> 14251

ggaanttaac nnncccgccg caagaatcaa gggtcgacgc acgcgtcanc tcattggctc 60

atcaataaca aatcaacaaa ttaatcngtt cccccaaatt taagggtttc ccctttcccn 120

aaagtcctgc gggtttccga atcaacccca accggnttga ngggttcctt tggtaacctg 180

ggaaaagggg nttccggaaa caaggagttc aaaattcncg atcttgatct atcgatctca 240

nttatatata aaagccgtga atgagattat gatggagtcg aaangnggta aaaagaagtc 300

cagcagtagt agttccttaa tttacgaagc tcccctcggt tacagcaatg aagacgttcc 360

gtccaaacgg tggnatcaaa gaaattcaaa atcctccggt caatcaaaac tgntccaaaa 420

aggcancctg agtaacaacg tgcaacgatn ntcanaatat aagttatagc tttccttact 480

ttccagttta aaaatttctc cttcaaagct cct 513

<210> 14252
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-F3

<400> 14252

cacgcngtcc gcngacgcgt gggcggacgc gtgggcttcc tcagccgtgt agttcaaatc 60

ccggcacaaa actctgtcgt cgcttccccg agaaaagggg tcacacttaa acttgtcgaa 120

accaaacaac aatggaagat gacaaggata tatacacana agatggaact cttgacattc 180

acaagatacc agcnaacang aataaaactg gaacctggaa agcttgcaga ttcattcttg 240

gaactgagtg ctgtgaaaga ttagcttact atggaatgag tactaatctc atcaaactat 300

ctcgaagaaa caaatgaata tgggaaacgt ctcctgcttc caaagagtgt caagtaactg 360

gtccgggaac atgttacgct actcctttga tcggtgcttt tatccgccga tgcttatccc 420

ggtcgatact ggacatcgct tcctttgtcg tcatc 455

<210> 14253
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-F5

<400> 14253

ngngtaantt aaactnntcn nctgcccang aaacggtcan agnattcccg gggncgaccc 60

acgcgtcnna cttcttcctc tatgctgctg cttcggaact tctctacggt gggaagagtt 120

gctcaatctg ttcgtgtgac ttcgaggatc ttcttctcca ccggagaatt gattagggtt 180

cttccttata ctcgttctaa aagattgatc tgttctactc gtgctgctca taatgaagaa 240

gccgccgcga aagctgcggc ttctgttgct gacaccggag ctccgaccat atttgacaag 300

attatagcaa aagagattcc ctcagatatt gtctatgaag atgaaaacgt tttggnattc 360

agagacatta accctcaggc tcctgttcat gttttggtca ttccaaattn aaaaaaatgg 420

nttgacctcc ccttggaaag gntgaancaa agaaaactta aaggttcttg gcaaacttcn 480

anatgcaacc naanattgtt gctgaaaaaa gaaggat 517

<210> 14254
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-117-Q1-E1-G11

<400> 14254

gcacttctct gcatatattt gcttctccgt ttctcatttc tcaactctca aactcaaatc 60

acttcctttg tctcagtgac tctagtctat ctccaatggc tgaacgagtc tatcccgccg 120

attcaccacc acaaagcgga caattctccg gcaacttcag ctccggcgaa ttccccaaaa 180

aaccagcacc accaccatca acatacgtaa tccaagtccc aaaagatcaa atctaccgta 240

taccaccgcc ggaaaacgca caccgctttg aacaactctc tcgtaaaaaa accaaccgca 300

gtaactgtag atgctgcttc tgctcattcc tcgccgcggt tttcatctta atcgtcctcg 360

ccggaatatc cttcgcggtt ctctacctaa tctaccgtcc cgaagctcta 410

<210> 14255
<211> 730
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-G2

<400> 14255

gnnnaaaang cnngggnttt tttanaaaaa cccngggttn cccaaggggn nttaggggcc 60

cccggttncc nanaaagggg aaaantttтc caaaaaaggg gggggttccc ggaaaccggg 120

cnaaaccggc ccgggttccc cngnaacggc ccnggggggtt acaggtttaa ngttcccaaa 180

gggaaggaaa ngnaaggnaa ggaaacccaa aaaaattggg ggccttaant ggnccccttn 240

aaggggggggg ccaaaacccc ttcctggggg tcccccggcc ttttaanccc cggggaagga 300

agggtttcta acggcctggg cctggcaatc ctttaatggt tcgggtcctc cgaacgggga 360

ttctggaatt ccgtccgggn gaaaaaaacg tcatctcgaa aattccccga tgatactgca 420

ctacttctct atgcgctata ccaagcaggc tactgtagga ccatgcaaca ctccgaaacc 480

tagtgcctgg agaacantgg agcaaagcaa atggaaaatt ggcaggggct cggaacatgc 540

cctccattga nggcaatgcg tctctttgtg aaaattctgg gagggaagat gattctggtt 600

ggnaattcaa nggnatctaa tgatattcca aattctgttg gtaaatgtcc aaattaatca 660

agagagcaaa agatgagcct gttgttgaga atgggagcac atttagtgag acaaaaacaa 720

tttctacggg 730

<210> 14256
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-G4

<400> 14256

ttagtcacca caaaaaaaaa aaaacacaaa aagtttcaat ggccgcctcc acaatggctc 60

tctcctcccc tgccttcgcc ggaaaggctg tgaacctttc ccccgcggca tctgaagtcc 120

tcggaagcgg ccgtgtgaca atgaggaaga ctgttgccaa gccaaagggt ccatcaggca 180

ncccatggta cggatccgac cgantcaagt acttgggtcc attctctggc gantcaccga 240

gctaccttac cggagagttc cccggagact acggatggga caccnctgga cnttcaactg 300

atcccgagac attcncaagg aaccgtganc cagaanttat ccacaacaan ggggggctaa 360

ngcctccgaa ccctaagntg cgtcctccct gaacttttgg ctangaacgg agtcnagttc 420

ggagaagcgg tttggttcaa ggccggttca caaatnttta ccganggg 468

<210> 14257
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-G5

<400> 14257

nngnannttn aacngncagc cgccaggtaa cggtcanagn attcccgggn cgacccacgc 60

gtccngttaa actttgcctc ttcgtctttt gctccagagt ttttgtgcgg ctgccatttt 120

cgatttccaa aggttttgag ctttgaaaaa tggtgagaat cagtgtgctt aacgatgctc 180

ttaagagtat gtacaatgct gagaagagag ggaagaggca agtcatgatc aggccttcct 240

ctaaagtgat catcaagttt cttatcgtca tgcagaaaca cggttacatt ggtgagtttg 300

agtacgttga tgaccacagg tctggaaaga tcgtggtcga gcttaatgga agacttaaca 360

aatgtggagt catcagtcct cgtttcgatg ttggagttaa ggagattgaa ggctggaccg 420

ctcgtcctcc tccttccaaa cagtttgggt acattgttcc tacgaactcc gctggtaata 480

agggncaaga agaaaccaag agaaanatg 509

<210> 14258
<211> 276
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-D6

<400> 14258

gnncgatnca agnctctana ntgagtcgna gcatcattca acttgttttt cccggggaaa 60

cattttcgtt gcttctgttt gaaaataaag acgagatcat atgcgtgtga aaactctttt 120

gtaatccaga ttttgtgctg tgtaattgaa ttgtttgtaa ccaacctgac tttgattttc 180

ggttcatgag ttccggttaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240

aaaanaaana anaaaaaana naaaaaanaa aaaaaa 276

<210> 14259
<211> 70
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-B5

<400> 14259

gtgattttcg nggngctaaa ggggaanaca attttcaaat tttttcgagc tgagtgtcac 60

aaggtcctaa 70

<210> 14260
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-B6

<400> 14260

aagcagcagt acactgatgt cgaattgtct gcactaggaa tggctattgc cactgttgtt 60

acggtcgctg agatattgaa gaacaatggc tttgctgttg aaaagaagat catgacatcg 120

actgtggata tcaaggatga ttcaaggggt cgtcctgtgc agaaagctaa gattgagatc 180

acgcttgcca agtctgagaa gtttgatgaa ctaatggctg cagctaatga agagaaggag 240

gctgcagaag cccaagagca aaactagatt gtttcaagtt ttttctgttc aacgatctta 300

tttcttcgtt ccctatctct atctgcttaa ttttaagaca cttctatttc gttaattttt 360

ggttcacttt tttaattcaa ccttggattg tgtctccgta cctctganca ttttatttaa 420

agatcgtagg aagt 434

<210> 14261
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-B7

<400> 14261

gcagtcanag ccggtatant aactgcattg gttaagatgc tcagtgattc cacccgccac 60

cggatggttg atgaagcttt gacaattctc tcagttcttg caaataatca agacgcgaaa 120

tccgcgatag taanagcgaa tactctaccc gcgttgatag gtattctcca aacggatcaa 180

actagaaacc ganagaacgc ancagcnata ttgctttcgc tgtgtaaaag agacactgag 240

aaactgatca ctatcggtag actcggtgcg gttgtcccgt taatggattt atcnaanaat 300

ggaacagaga gaggcanaag gaaagccata tctttgttag agcttcttcg taaagcatgn 360

caataataac tantcttctg acaaaaaang gtcaacaaag ctcnaatttt aatgaagtta 420

taaattat 428

<210> 14262
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-C1

<400> 14262

ngnaacgtta aacnctccgc gntcntgcaa acggtcanag ggncgacgac cgcgtcaacc 60

aacgaagtcn gcaataacaa aacccccccng gaaaaatncc caacgactnc cccccgccgc 120

caagcttgtn atggatcgga gagagagatc agtgttcttt ggatcttcca atttctccac 180

gtttgtgctt gaattgcaga agaagttttg tataggactc tgttttgctt gttgatagaa 240

tttgggaatc tagggtttat cgaatcgttt attttggttt tcgtttagtt tctcttcttc 300

gagctggtgt ttctcaacta gttagagagt ttctcgattg gtcagagctg cttttattga 360

attttctttg gatttcgtgc ttatagatct ttgaaaagtc tgagaatcct gttttggagt 420

tactgcttca agttattgga agaaatangg ttccattcaa attttagaat tgactcaagg 480

aatccgg 487

<210> 14263
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-C10

<400> 14263

tgngggtnng cattcntnag ctncggcagc cnncnggtcc aaggccntnc gcccctcnaa 60

agtgtctcct atanagaagt cacatgttcc ttcttcttct tccttcatca tccccaaaca 120

cacacaaact aaaanaaagg caaaacccta gatccaagat cagacctaat ctaatcgaaa 180

ctcatagctg anaaatgaag agagatcatc accaattcca aggtcgattg tccaaccacg 240

ggacttcttc ttcatcatca tcaatctcta aagataagat gatgatggtg aaaaaagaag 300

aanacggtgg aggtaacatg gacgacgagc ttctcgctgt tttaggttac aaagttaggt 360

catcgganat ggcggaggtt gctttgaaac tcgaacaatt agagacgatg atgagtaatg 420

ttcaagaaga tggtttatct catctcgcga cggatactgt tcattanaat cccgt 475

<210> 14264
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-C11

<400> 14264

nngnnnnnng ggnnnnggaa nttttaggtn gccccttang gntcgaactc ttcacagngc 60

cnncgcaggc gtccnctacc ttcnatctct ctcacccact ctcctcggaa accacagcga 120

cggacggacg gacggacgat aaaacttttg cctctaattt gctcctacaa atctggaatc 180

agccggagcg aatctcgaag cttatgatct cgacttgctg aagaggctgg gaatggctgg 240

taaagaggag actgatgtat ctgcacaagg gtctttaacc agggaggcca ctgagatatg 300

gaggagtgag ttggaatctc gccggtttca ggtagatagt ttagaagctg aacttgtgga 360

tgtcaaggct taccttgagt ttggctcaga agaagatgcc agaaaggagt taggagttct 420

ttcgggtagg gtcagatcga ctgcaactat gttgcgttat ttgagatnaa aagctagatc 480

ctggncatc 489

.

<210> 14265
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-C5

<400> 14265

aagaaggcga gaagaggagc gacaagggcg aagctgcaga attcttcggt aattttcaga 60

ttcggttgaa taatggcggc tgcggctttt gggcagttaa atctagagga gcctccaccg 120

atttggggat ctcgtagtgt cgattgcttc gagaagcttg aacagattgg tgaaggaact 180

tacggccaag tgtacatggc taaagaaatt aaaactggtg aaatcgtggc tctgaaaaag 240

atccgtatgg acaatgaaag agaagggata accgctatcc gggagatcaa aattctgaag 300

aagctgcatc atgaaaatgt catccatttg aaagagattg ttacttctcc aagtcnaaga 360

taagggatga tnaaaggaaa gccaagatta taacaataca aggtgg 406

<210> 14266
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-C6

<400> 14266

ngatctgacc tcaaaatcaa acgagtttct ttgataatct tcttgctaag tgttcttgtt 60

gagttttgct atggagggtt cacaagtgaa tatgtcagag gaagtgattt accagatgac 120

atgccactag acagcgatgt ttttgaagtt cctcctggtc ctaattcacc tcaacaggtt 180

catgtaacgc aagggaacca tgaaggtaat ggagtgatca tttcttgggt gactccggtt 240

aagcccggtt ctaagactgt tcaatattgg tgtgagaatg agaaatcgag gaaacaagca 300

gaagcaacag ttaatactta ccggttcttt aattacacgt ctggttatat tcaacattgc 360

ctcatccatg aatttggaat ttgataacaa attactacta acaaaattgg aantggcaan 420

tggtccaaac nggttctg 438

<210> 14267
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-C7

<400> 14267

cttatcgctt ccttctcgat acgctctctt ctccggctcg actcctgttc gcatcagcag 60

gaggagcaac ctctgcttcg ccgtctccgc cgcacgagct tctcgccggg attctatatc 120

attcccccag cctatcttcc tccgccacgt catctctacc cagtcgaatt tcgagatcga 180

tcgaaattat agagctcatg cgtcttctat cggatcattc gaggatagct cttcttctaa 240

cttactagaa gacgccagtt ccgatggttt cgatttgggc agctttgttt ctttcgcgga 300

agcgctttgt attttatcat ccgccgtgat ttcagtggtt ctcgcggtga attacgtggt 360

ggttggtgaa attgggaaaa angtttggcc ttaaggttcg gttggattgg ttgntcaatc 420

ccaat 425

<210> 14268
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-D1

<400> 14268

nggnaactgt ttaaaccgcc cagtgcccgt caaagaattc aangggtccg acncacgcgt 60

ccncccacgn ngtccgccca accaaagttt ctcatcattc atttcagatc agccatggag 120

gacgaggtaa tcttacatct tttcgtatat atttattata aacacgattt agctctgttt 180

ttccgccgga gattataatt tgccggagac ctttattcga gatctgattg atcatttctt 240

atatgcctac attaactttg atacccatta gatttctttt tgatggaaat cgatttgatg 300

tgaaattagc tgctcgttac tctggctttt tccactcatc ctctatagat gatctggtgg 360

agtgtttgta tagagaagaa agacatatga gttcattaga attgtagaaa agtgatggaa 420

agattttccg tcaaatccgt ttctcaaaag gcgtggtggt ccaatgttgc cccaactggg 480

aattggttaa tananttccc 500

<210> 14269
<211> 191
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-D12

<400> 14269

acgtgggcnc aancttcaat ccnacgnatg catttctatc gtgggcacnt cttccactta 60

tctccgtngt ccgttctgct tcnctctcat cacattattc gccgtcgcca gttctcttct 120

cgtcacctat attncacctc cgatgcatct ctctccgttt gcaactctcg ccttcacgcg 180

aatctcaatc t 191

<210> 14270
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-D2

<400> 14270

aacttttacn ctctcccgtg cccgtcanaa nattanacgg gncgangacc gcttcnaana 60

ctaaattcac tcanttggna ccnttcaggt caaatctgag ggattcatgg cgaaatggat 120

tgggtttaan aacactgctg gtccattggg acaccaagcg gtcgcactcc gtgtgaacgg 180

agaccgtgcg gtcatattca actgtagatt cgacggttac caagacacac tctacgtcaa 240

caacggacgt caattctaca ggaacattgt tgtatccggt acagtggatt tcatcttcgg 300

aaaatccgca actgtgatcc aaaactctct catcctcgtc cgaaagggaa tccccggaca 360

atccaactac gttacggctg acggtaatga aaagggtgca ncgatgaaaa tcggtatcct 420

cctccatnac tgccgtttca tacccggcaa aggantccaa nctgacaagc taaccatcaa 480

aatcntacct anggaaggcg 500

<210> 14271
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-D3

<400> 14271

caagantncg gcccttngaa aannnnggaa nnacggannt caaaggngtt gacccaacaa 60

angcttgcna nggnggaacn gnacctttgt taaactgtgt caattgggtt gagagtaact 120

cttgggatgg acgttatggc ctcgtcattt gtactgacag cgcggtttat gcagaaggac 180

ccgcaaggcc cactggagga gctgcagcga ttgctatgtt gataggacct gatgctccta 240

tcgttttcga aagcaaattg agagcaagcc acatggctca tgtctatgac ttttacaagc 300

ccaatcttgc tagcgagtac ccggttgttg atggtaagct ttcacagact tgctacctca 360

tggctcttga ctcctgctaa aaacanttat gcaacaaagt tcnaaaaaat tcaagggcaa 420

agagttctcc ataaa 435

<210> 14272
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-D6

<400> 14272

atcaaaaatc attcccaaca catttcttct tcgttgtcaa aaatacatca gaacgttctg 60

atttcgccgc gtgactctta tctccgtcaa cgccgataaa ttctccggta aagtaaccgc 120

cgcgatgtcg tttcttttcc gtaagaacgg tagtagttca cggaggaaga tcaaagaaaa 180

actccgtggt cgtcactcag atcgaggtgg gaagagagaa gaagatgaga gatacggcgg 240

ctccggctcc gatttacctc caccaccgtc tccttgggga tttctcttcc cggaggattt 300

tgtaagaatc gacgggaatc tcaaagctgt taattgtaga tgatgaagga ttagatgtga 360

tttactggaa gaagcttcta nagttgggaa atanccggaa aantnagaaa aacctaaacc 420

tagaagaagg 430

<210> 14273
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-E2

<400> 14273

nnnngnaacg ttacgctncc agtngccgtc caagnattca angggtcgac gcacgcgtcc 60

nggacgaaca aagagtttcg tagtctcctc gacctcttcc cagtcgtacg ttctcgtgac 120

caccgtgctg aattagattc ttcaaagcaa tcaacttcac agtcagttgt ggatcgagag 180

gtaagtgaat ggcacgatgc accgactgtt gctgagccta aagacttgca atatctgaag 240

actgatcaag acaaattttg ggaaaatctg aaagcggctg ctgagaagaa ggttggtggg 300

gttgaagcag agagattttg caaggctttc gagaaactcc acaagaaact tgtgtatgaa 360

gaattggatc cagaagctgc aaagcgatat ttactaaact cttaaacttc tgtcctctat 420

atgatgtgcn tccaaaagtt tgttaaatgt nggagacact tcnagtcctg gccttttcct 480

taancgtaat tatgaattta ng 502

<210> 14274
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-B4

<400> 14274

cttntacgcc tcccggtgcc ggtcaaagaa ttcacggggt ccgacgcacg cgtccaactt 60

aactccggga gctctctatc tttggtcatc ctcctatcgg aatcggcagc gcagggaaga 120

gggcagatta tgaataatga tacatcaaaa aagctgggaa ctttggtttc tgatgatgga 180

ccagtgaatg tatatgtatg ggacatggac gagactctta tcttacttag atctctgtta 240

aatggaactt atgctgagtc ttttaatggc tccaaagatg ttaaaagagg tgtagagatt 300

gggaggatgt gggagaaaca catacttaag atctgtgacg attttttctt ctacgagcaa 360

gttgaggaat gcaatgagcc atttcttgat tcattgagac agtatgatga tggaaangat 420

cttctcggta tgaagttcaa acaagacgac ttagtacnct acngatactt gaacaagnag 480

gaaacttgcn t 491

<210> 14275
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-H6

<400> 14275

ctctctctct ctctcattct cttccaactc ttcctctcct tcatattctc cgtctgtctt 60

ctgctaattt aaggaaacaa aaatggtgga tcttgaaaga agagtgtgtt gcatgtgtgg 120

tgatgtggga ttcttcgaca agctctttca ctgcagcaag tgccttaatc gctttcaaca 180

ctcgtactgt agtagctatt acaaagagca agctgatcca atcaagatct gtgattggtg 240

tcagtgtgaa gcaaaaagtc gaaccggagc aaaacacggt gttaatggtg gatcgtctaa 300

nagatcgtac cggtcggaat aatcttcaac tcatcaacaa atcaaacaag naagagantt 360

ancaaaccac ntngtggnan nnttccccca naaaanc 397

<210> 14276
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-H7

<400> 14276

naaactcgca agttactctc tcattcctca tcgtaccctc tttactcagg tattttctga 60

agttaaaaga tagaaataat gtctgaaaag gtgggagcga tgggtggtaa caagggtgga 120

gcattcgacg atggtgtttt tgatggtgtg aagaaagtaa ttgttggaaa agacttcaac 180

aatgtaactt atatcaaggt tgaatacgaa aaggacggaa aattcgaaat tcgtgaacac 240

gggactaatc gcgggcagct aaaagagttt tcagtggatt atccgaatga atatatcaca 300

gccgttggtg gaagctacga cactgttttc ggttacggat nancgttgat naagtcatta 360

ctcctcaaaa actcctattg ganaaccctc caaacccttg ggccacnnaa atttnnnngg 420

aacccacngg ggaaaaaatt t 441

<210> 14277
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-H8

<400> 14277

tanncttccc ggtgccnggc anaagtcaaa gngntcccgg gccnacccaa acgtccaagt 60

tgcagaaagg ttcggtgtca caagagaaga gcaagatatg gctgcggtgg agtctcacaa 120

acgcgctgca gctgcaatcg cgtctgggta aactcaagga tgaaatcatt cctgttgcta 180

ctaagattgt ggaccctgag actaaagcag agaaggcaat cgtcgtatct gttgatgacg 240

gtgtacgtcc aaactcaaac atggcagatt tggcaaagct gaagactgtc tttaaacaga 300

acggttccac cacagctggc aatgctagtc agatcagtga tggtgctgga gcagtactgc 360

taatgaagag aagtttggct atgaagaagg gacttcccat tcttggagta ttcaggagtt 420

ttgctgttac tggtgtggaa ccatctgtaa tgggtattgg tccaactgtt gccaatcccg 480

ctgcaantaa actcncaagg gtcna 505

<210> 14278
<211> 258
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-115-Q1-E1-H9

<400> 14278

ggcaacatct caaccgcaga gactggccat ggatacgagg tcgaagagag taaaccggag 60

ttagagaaat gctaaaagcg ccaagctaag aagctattag taatttggtc ttactttgag 120

agattgtttt ctaggagaca aaaagagttt caaaggtatt tgaattgatt tgtagtggta 180

atgatttgac taactttcga gtttctttct tcttttgtta aaaaaaaaaa aaaaaaaaaa 240

aaaaaaaaaa aagggcgg 258

<210> 14279
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-A1

<400> 14279

aagaangncn aaagaatnnc aanggaanca tntggggcna nggtgggaac aaagttncnt 60

tggtgccggn atggtcactc ccggnacctc aaatctancg cgaatgcttc tggggaacaa 120

ctctatancg caaatagcag aagcattctg gaccatcttg agcatangac tttgcaaaaa 180

attcttttgg ttggaaacag tggttctgga actagcacaa tattcaagca ggcaaagatc 240

ctttataagg acgtaccatt cttggaagat gagcgtgaaa acataaaggt gattatccag 300

accaatgtgt aagggttatc tccgtaagcc tccttgangg cccggaaccg gtttgaanaa 360

aaaacccctt gctcccaagg aacacaaanc att 393

<210> 14280
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-A12

<400> 14280

ngnnnnggnn nngtanttcc anaccgntcg gcacaggcca cngactcgcg aggncganac 60

acgcctctaa actntntcan acaattttgc gtttctgctt ttcattttct ctcaagaagc 120

gtaaatggcg aacaatggac ctaactggga cggattactc aaatggagcc tctcacattc 180

cgatggagct tcctcttcta gccgtataag tgaggaagat cgacaatggt ttgtggaagc 240

tatgcaagca catacaatcg attcaatctc tcgtatgaaa gtaatatctc aaatcatgaa 300

gatgcctgaa caagtcttgg aggctcaagg agttacacct gatgatcttg aaggaatgtt 360

ggctgagctg caggaacacg tcgagtcgat agatttggcc aatgatcttc actccattgg 420

aggtttggtt cctctcctta gctatctcaa gaactctaat gcgaaaattc gagcaaagtc 480

tg 482

<210> 14281
<211> 358
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-A3

<400> 14281

gtgaattttc ccgtgaattt tcgcggtgct ttttaangct anagctcctg ggaanatnat 60

acttgcaggg gaacacgctg ttgttcangg atccaccgct gtagctgccg ncattgatct 120

ctacacttac gttactctcc gctttcctct tccatcagct gagaacaatg ataggcttac 180

anttcagctc aaggacattt ccttggngtt ttcatggtcc ttagccagaa tcaaagaagc 240

gattccttat gattcaagca ctctctgccg ttctacgncg gcttcaggnt cagagggana 300

cccntngntc aattgcagnt ttggttgaag aanaaaatct tccaagggat aaaantgt 358

<210> 14282
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-A4

<400> 14282

tngggcaaan gganggggat ttngaaangg aaaaggccaa tnctnnaaan ggaggggggct 60

ncaaaatggg cctccctnaa aggccaattg ggggntngcc ttngaacaaa aaacttnggg 120

gtggggtngc ccttnngcct ncccaaaacc caatccttcc tgggaccctc aacaaagttc 180

gaaggggaag ttgtccttcc ctccttgtcc tgatnatcag gaacaggttg aagtatgctt 240

tgacttaccg tgaagttatc tctatcttga tgcaaaggca tatccaagtt gatggcaaag 300

tcaggactga caagacttac cctgctggtt catggatgtt gtatccatcc ccaagaccaa 360

tgagaacttc cgtcttctct acgacaccaa gggacgtttc cgtctccact ccatcaagga 420

tgaggaagca aagttcaagc nttgcaaagg gtnagattta accaattttg gccanaaggg 480

ganttccata cctgaacnct tatgatggt 509

<210> 14283
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-A5

<400> 14283

tgaattttcc cgtgaatttt cgcggagctt ttctcgggaa aataatctaa agaagattcg 60

agattaagac acgtcatctc cggtttcgta gagagatctg aagaacgagt ctcttctctt 120

ctccgatggg aacgctacag tcatggagaa aagcctatgg agccctaaaa gactccacca 180

aagtcggact tgtccgtgtc aacagcgaat acgccgattt agatgttgcc atagtcaaag 240

ctaccaatca tgttgagtgt cctcccaaag atcgccatct cagaaaaatc ttcgctgcaa 300

catcagtgac tcgtgctcga gcagatgttg cttattgtat tcacgccctt tcacggcgtt 360

tgcataaaac caggaattgg acggttgctt tgaaaacact aattgtgata catcggcttc 420

taangga 427

<210> 14284
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-A6

<400> 14284

ttccaaatct ccccactctc tctctctctc tctctctctc tctctctctc tctctctcta 60

tctctctcta tctctctcta tcttctcttt tctcctctct ccaacttctt cactaatggg 120

agctcaggag aaacggcgcc gtttcgagca gatatcaaag tgcgatgtta aggaccggtc 180

caaccatacc gtggccgctg atctagacgg aacactacta atctctcgta gcgccttccc 240

ttactatttc ctcgtagccc tcgaggcagg gagcttgctc cgagcgttga tcctacttgt 300

gtccgtacca ttcgtttatc ttacgtactt gaccatctcc gagactttag ccatcaacgt 360

atttgtcctc aacaagttcg cnggtctnan natcgagaag tttgagctag tgggccggtt 420

ccgtcctccn g 431

<210> 14285
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-B1

<400> 14285

agntttnaac tctccgnagg cctgtaaaaa gtcaaanggt cnaccnaccc gtccnatctc 60

taatcaaaaa gcttttaacc tcaagccgtt aaatctttct ccgatcatgc cgaccagaaa 120

catcgccatt ggtgggagtc caagaagagg tctatcaccc caacgcactt anggcggcgc 180

tcgctgagtt tatctcgact ttgatcttcg tcttcgccgg ctcaggctcc ggaattgctt 240

tcaacaagat cactgacaat ggagcaacca ctccttccgg gctcgtcgcc gctgccttan 300

ctcangcttt cggtcncntt gtcgctgtct ctgttggngc taanattccg gtggncacgt 360

taaacctgcc gttacatcgg gtctantccg gggnaanaca cctcccccct 409

<210> 14286
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-B11

<400> 14286

nngnnnnnng gtggnngnan ttccagcagg tntttgcgtt cttgnncttc ccatgccgac 60

ccaggcgtcc aatagagaaa accattacac gagaaaggaa aaaaatggtg aatccttctt 120

cacctggaat tgccatactc ggagctggga tcttcgtcaa aactcaatac attccgagat 180

tagctgagat ctccgatctc gtcgacctga aagcgatttg gagccgtact gaggaatctg 240

caaaaggagc tgtggagata gcaagaaagc attttcctga agtgaagtgc aaatggggag 300

atgagggtct caatgagatc attcaagaca gttcaatagt tggtgttgct gtagttgtag 360

ctgcagaaac catggttgaa ttgtcactga agatgctcaa ggcaggaaag cacgtccttc 420

aagagaagcc agctgctgct tcaatcagtg agatagaaac tgcaatgtcn agctntagaa 480

ttttctng 488

<210> 14287
<211> 363
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-B2

<400> 14287

ancatccnct tcttccttcg ngctactata tcaggatcca nagcttcctc ttccagctan 60

gggtgcntca gtacactgta ncctgangtc cgtcgtatgc nacancagga atcactctgc 120

tcggccgaaa cttccaaact cgtctttgtt acctggattc gatgttgttg ttcaagctgc 180

tgctacncga ttcaagaagg aaacaataac cacaagagcc actttgacgt ttgatngacc 240

aaccactaat tctgacagag ctaancagag anaacacacc antgatcctt cttctcctga 300

ttttcaacca attccatctt ttgnanaatg ctttcctaac gagcactata gaacacaang 360

aag 363

<210> 14288
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-B3

<400> 14288

nnnnngnaac tntacnctcn cagcgcncat gnananggtc anangnggnc gacgacngcg 60

tcnnaattgg acccaacttc tttgccngtg aacccttccc ttaagcactt taaaccgcaa 120

ggtgggaatg gagggagtgc ttgggacgat ggtgcttttg atggtgttag aaaagtgctt 180

gttgggcgaa atggtaagtt tgtgagttat gtcaggtttg agtatgcgaa aggagaaaga 240

atggtaccac atgctcatgg gaagagacaa gaagctccac aagagtttgt agtggattat 300

cctaatgaac atattacatc ggtcgaggga acaatcgatg gttacctttc gtcgctgaag 360

tttacgacat caaaaggaag aacctcccct gtttttggga atgtggtcgg tagtaaattt 420

gtgttcgaag aaacaagttt taaaccttgt tgggttttgt gggccattcg gtgaaacnaa 480

ttgatgccct tggggcaa 498

<210> 14289
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-H5

<400> 14289

agttcaacgt tgcgaatcca actactggat gccagaagaa gctcgagatc gacgatgacc 60

agaaactacg tgcgttttac gacaagagaa tctctcaaga agtcagtgga gatgctttgg 120

gcgaggagtt caaaggatac gttttcaaga tcaagggtgg ttgcgataag caaggtttcc 180

caatgaagca gggagttttg actccaggcc gtgttcgcct tttgcttcac cgaggaactc 240

cttgcttcag aggacatgga aggagaactg gtgagaggag aagaaagtct gttcgtggtt 300

gcattgtgag ccctgatctc tctgttctga accttgtcat tgtgaagaan ggtgagaacg 360

atnttcctgg gcctaacgnt actgngaann cnngaatnng aagggcccan nganaccccc 420

nna 423

<210> 14290
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-F7

<400> 14290

tttaagcttt cttaccatta ggaccattaa gagctttcca taaaagcatc acaacggctg 60

caacagttaa caaatacaag gacgagtaca gaaactggtt caggagtcat catgcctcag 120

aactgcatag caccaaggcc tgaagaagat ggtggagtca tggttcaagg tttgccagat 180

atgtcagaca cgcagagcaa gtctgtacna gccttcccta cgattacttc acaacctggt 240

ctccagatgt ctatgtatcc cataactctc aagtttgagg aggttgtgta caaggttaag 300

atagagcaga caagtcagtg tatgggatca tggaaaagca aagagaagac attttgaatg 360

ggataacggg aatggtttgt cccggagaat tctaaccatg ttangtccat cangnanttg 420

naaaaccacn cct 433

<210> 14291
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-G1

<400> 14291

gnngnaattc nacgtnncgg gccggtcaca ggantaacgg gtcgagncac gcgtccaaga 60

tgacactggc gaagaacaaa gtttgaacct tttcttcatc catctctctc cgtcgcttct 120

tcctaacgat tccttcactc gaatcaggtt tgtgaaggtt tttttctang gtttcgaaaa 180

gatgccggcg acagcaggaa gagtgcgtat gcccgcaaac aatcgggtgc atagtagtgc 240

agcgcttcag actcatggaa tatggcagag tgcgattggt tatgatcctt atgcaccaac 300

tagtaaagaa gagcctaaga cgacacaaca gaaaaccgaa gatcccgaga actcgtacgc 360

gagttttcag ggacttttgg ctcttgctag gattacgggt tcgaataacg atgaagccnt 420

gggtcctgta anaaatgtgg cnttttgggc aattnacctt tcaatgtang gaattctgag 480

tttcaagggg ggaaagg 497

<210> 14292
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-G12

<400> 14292

tctgagatgg tttcttcagt ttctaattat aaaagagaat ttggttttaa tttctcttta 60

ttgtttatct cgtcctcgat ttcaagagtt tgatttctgt aactttgagc ttccttcaaa 120

gcaaatgaaa ggtgtcgtcg tgagtatact cgaattgtat ttcccatggt gaataaagga 180

taagaaagtg ttgtgtcttc atttcaatag ataaaacaat ctaaacatgg cgtattctgt 240

tgttcggctt cgaaaggttt cagctttggg gatttctcgt gttcttcaag ctgataaagg 300

aagtttgtgg cggtttcact ttgaacctga gtttggtgac cttttgagat taagtgtctt 360

gactangaat tatagaaaga actcctggat ccccaaagtt tgattcactg gnactggaac 420

aact 424

<210> 14293
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-G2

<400> 14293

gnngnnggta acttcnagat ngtcggcgcn cggtcanagg atacncgggt cgacgcncgc 60

gtccaagttt tattnttttt atgcattcta aggagaagag gtgatcgaaa ccaaccacac 120

gggaggagct tatgccattt tcctcccgt ggaaggtcta acaatcacac gtctcctaat 180

ctcgtacgtc ttcttaggtt ttgaagaatg gaaaatttaa ggaggttgtc aaacccggga 240

aatttcggat tcattggaag atcacaatca cgagttcccc aaaaaaacat ggaaaataac 300

atttctcctc ctaataatat gcaccaccat agtgcttctt tagatgatct tttcacagaa 360

gaccaaccag cttggctcga tgagctccta agtgagccag catcacctaa gantaacaaa 420

agncataaac gttcaaccta gtgacacaac tggctanatn naaccaacct ttaaagcctn 480

caaagggaaa cncntntccn ggttcccnct ggaaat 516

<210> 14294
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-G3

<400> 14294

ggnngnaatt cnacgctnna cggtgccggt cagnaattaa cgggncgacg cacgcgtccn 60

cggacncgtc cgcccacgcg tccggagaaa attagcgagg aggtagctca cccggaaact 120

ctcctccagt tctgtgtcga ggtctccaaa gagatcgacg aacatctctt ggccgaggaa 180

gaggaggtga agacaccaga gacgcctagt ttggtgggaa agctagagac agacgtggag 240

atcaaagctt ccgctgagaa gttccatcac atgttcgccg ggaaaccaca ccatgtctct 300

aaagcatctc caggaaacat tcaaggttgt gatcttcacg aaggcgactg gggtcaagtc 360

ggctctatcg tcttctggaa ctacgttcat gatagagagg caaangtggc taangagang 420

attganggaa tttganccna ataaaaactn atnaccttta agggttccca gggatntggg 480

ntaaaagnnt aaaagacctt ct 502

<210> 14295
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-G4

<400> 14295

aacnccangc tngncggtgc ccaggcancn ggtcaacggg ncgacgcacg cgtccnaccg 60

ccnatatcaa gangggtaaa cctnccccct ccntgcaaat ttaactcctc ggtttccccg 120

cntggttggg nccaatgatt ctgcccaagg aacaatcttt taataagtac acatatatgt 180

tgtccttant gggaaatatg atcggctaac atatttgtta ttgttattaa caaaaaaaat 240

aacatttgtt attgttcacc ggagttgata gtagcaatag tacatattac atggtcatat 300

atgcatatgg ctacatgttt gagttatatt cgattatctg gtgaaagatg agattgtgag 360

tttgtaagtt tttgacagtg tagaggagga ttcaaaagaa aagaagaaaa aatggactat 420

atgtatggac canggagaca ccanctgttt gttcaagacc agtgtaaaaa nccngaaccc 480

ggaaacccgg ggcnaanacc gggaaaaanc g 511

<210> 14296
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-G6

<400> 14296

tctctcaaaa aatcccataa ctttcccaac gaaaaatgtt ccgatcaatg attgttcgat 60

ctgcttcccc agtgaagcag ggtcttctcc gcagaggatt cgcctctgaa tctgttcccg 120

atcgcaaagt cgtcatcctc ggtgccgccg gtgggatcgg ncagccactt tctcttctca 180

tgaagcttaa ccctctcgtc tttctctctc cctctatgat atcgccaaca ctcccggcgt 240

tgctgctgac gtcggtcaca tcaacacccg atctcaggtt tctgggtaca tgggtgatga 300

tgatttgggg aaagctctag aaggcgctga cctcgtcatt attccaactg gtgtcccaag 360

gaaacctggn aatgaaccgt gaagattttt tnaanaacaa agnngggaat ttnnnaaaac 420

cccna 425

<210> 14297
<211> 261
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-G7

<400> 14297

atttacttga catttccagc tgncagctcc ttcacagatg angatgtctc caattatttt 60

ggcaattttg gaccagtgca agatgttagg attccatacc agcatcaaac ggatgtttgg 120

gtttgtcact tttctccant ctgaaactgt gagaatcata ttggccagag gaaatccnca 180

tttcatctgt gactcacgtn tgcttgttaa accgtacaag ganaagggaa naatccttga 240

aaacangang cagcagnaac a 261

<210> 14298
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-G8

<400> 14298

gcaaaaccaa aaagaaaaaa aaaaatcaaa acagaagcga gcgaagagga cggagggaga 60

ggatcttctt ccctctttct cttatctact ttctcttcna aatctctaat cttttgaaan 120

cctaaatcaa agttttgttt ttttttatca actggggaag aagaaaggtg taacctttat 180

ataaccatgg attccggtga cgcgacatct ttgcttttga cgaaaattcg aagcttggag 240

ccagattatg ctcctaagat tattgggtat ttgcttttac atgattttgg tgataagaga 300

cttgatgcat cnggctcgtg gacctgaatc gattttgcag tcgactattt cgaaagtgga 360

aagtctcctg gggaatttct ccaaaaannc gccntnttnt aaaccnnnnt ttccttcccc 420

ngtnaannct agggg 435

<210> 14299
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-H1

<400> 14299

nngantttag ttccnggccg gtcaagataa cgggtcgagg cncgcgtccn cagcnattaa 60

caaattcacc aagactcttg acaagaatct tgctaccagc ctcttcaagg tccttctnga 120

agtacaggcc agaagacaaa gctgccaaga aggagcgtct tgtaaagaag gcccaagctg 180

aagctgangg aaagccttct gagtctaaga agcccattgt agtcaaatac ggcctcaacc 240

atgtgaccta cctcattgag cagaacaagg cccaacttgt tgttattgct catgatgtcg 300

acccaattga gttggttgtc tggttgcctg ctctgtgcag gaagatggaa gtcccgtact 360

gcattgtcaa gggcaaatct cgtcttggag cggttgttca ccaaaagact gcttcctgct 420

tgtgtttgac cactgtcaag aacgaagacn ancttaattn acanaatccn cggaaanttt 480

cagggcaatt ta 492

<210> 14300
<211> 262
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-H10

<400> 14300

agtgtntagt tgaatcattt cgatcaangt ttagagagtg anaaancatg gnatcancct 60

ttaccgcaac gtcgtcaatg ggttcatctt tggctccncc ttcgaatcna ttgtcatcgt 120

ttgtttcgat ctcatcaagc tcttttggaa ggactcagag tattgctcag aggaaagcaa 180

ggtttcctaa antatatgcg gttaagcaat tgcatttcaa taaggacggg actgcnatta 240

agaancttca agctggtgtg na 262

<210> 14301
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-H11

<400> 14301

gcagctcccc ttttcttatc cggaaaccaa aaacttccgg tgataaaacc tccttcgtca 60

tctctctact tcttggataa aatggcgtca actttcactg ccacatcttc tattggttca 120

atggttgctc cgaatggtca caaatctgat aagaaactta tcagcaagtt gtcttcaagc 180

tcatttggaa ggagacaaag tgtgtgtcct agacccagaa gatccagttc tgcaattgtg 240

tgcgcagcaa aggaattaca tttcaacaaa gatgggacta ccattaggag acttcaagct 300

ggtgtcaaca agctcgcaga tcttgttggt gttacacttg gacccaaagg acgaaatgtt 360

gttcttgaga acaagtatgg atnaccacga anttgttaat gatggngtaa cggttgcaaa 420

a 421

<210> 14302
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-H2

<400> 14302

aacgttacgc tcccagnngn ccaggcanag aattaacggg ncnaggnncg cgtccncgga 60

cacgtgggcg gacgcgtggg ctctcctccc taaaacgcgt ttccgtgaca ccgccgttat 120

cctcatgctc atccatcagt ttataacgtt cgggtttgcg tgtacaccat tgtacttcgt 180

atgggaaaaa gcgatcggaa tgcaccacac aaagagctta tgtctaanag cgctggtgag 240

gctaccggtg gtggttccga tatggttttt ggcaatcatc tttccctttt tcgggccaat 300

aaactcggca gttggagcct tactgttacc ttcaacgtct anatcatccc tgccttaagc 360

cacatgctca cgtancgcaa cgcctctgcc cgncgggaan ccgcnggana aaacaaccgt 420

ttttaaccct aanctggggt ngaggtttac ntgngaaacc ctttnaaaaa gggtttgggg 480

ccaaatntcc 490

<210> 14303
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-H4

<400> 14303

ttctacgctn cncggtgccc aggnanaggt canaggggtc ccgggncgan ccaancatgc 60

aanagagatg agcgcgacgg agctgccgac gaaggaggca cacatactta aaggccacga 120

gggggcggtt ttagcggcga ggtttaacgg tgacggaaac tacgctctca cctgtggcaa 180

ggatcgaact atccgcctct ggaacccgca ccgtggaatc ttaatcaaga cctacaaatc 240

tcatggccgc gaagtccgcg acgttcatgt tacttcagac aatgccaaat tttgctcatg 300

tggtggtgat cggcaagttt actactggga tgtttcaact ggacgtgtaa tccgtaaatt 360

ccgtggtcat gatggagagg tcaatgcagt gaagttcaat gattcntcnt cngtggntgt 420

atcaactggg ttccattnnt cccnaanttt tttggaactg cngattncca angtntttgc 480

cccnttanat tttcntgga 499

<210> 14304
<211> 293
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-F4

<400> 14304

nnattngaga gaagtcacga tatgcttaga caaanggatt cactcatggc attttcgatg 60

acctttgaga anaangatgg ttacgtcgcc ttcacaagcc atcctcttca tgttgaattc 120

tcaagccgct ttcaccgccg tcatcgacaa gatcgttctc ctcgatttcc ccgtcgccgc 180

tgtcaaatct tccgttgttg caacaccatg aatcttgtga tggttacata tcgtcatatg 240

actcatatcg aacttgtttc ntaatttnna acnaantttn agtttttggg gna 293

<210> 14305
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-E10

<400> 14305

nnngggnnnn ngaantgtct cgcctnntcg tagccgtcca gaattcaagg gtcnacccac 60

gcgtccggac aagctcagat gataaccgag gtttctggtc gattatccga gcttaaaacc 120

acgatagatg ctgggttagg tcagcgtaac attcttttgc agaccattgg agataagttt 180

gaactatgga acctcaaggt acgcaaagag aaagctatct atcatacatt gaacatgctt 240

agtcttgatg tgacgaagaa gtgcctcgtg gccgagggct ggagtcctgt ctttgcatca 300

agagaaattc aagatgcatt acagcgtgcc gccgttgact ccaattctca agttggatca 360

attttccagg tcctaagaac caaagagtcg ccaccaactt attttcgcac aaacaaattt 420

acttctgcaa tccaggaaat tgttgatgcg tatggtgtgg ncaagtatca aggaaccaat 480

ccaagtgtat caacaatggt tacc 504

<210> 14306
<211> 551
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-E2

<400> 14306

nnnaaactgt tntaangcct ttcccanggg gccccgggtt caaaagnnat naaaccgggg 60

gcncgaangc ccacgccgtt cngagccgaa aaacttttat tccggtttng cctttgaagc 120

ctnccgaaan anntgggaaa acaanaaatn gganggaaag aaagaagcaa cgaaggttta 180

acgggtnggg agaaatcccc tggaaagtcc ggcgatacgg gatgttcccg attcgggata 240

tcgatatgtc tgcaagccga tgaggacgcc gttacggagc ttgctgagat gaagaggaga 300

ttaaaggaga tggaggaaga agctgctgcg ctacgagaga tgcaagcaaa agtcgaaaaa 360

gaaatgggag ctactcaaga tcctgctagt atggctgcaa atcaagaaag gaaagganga 420

ngtggatgct cgattcagtt tatgttggca atgggttgtt ctcataaatg aagttcttaa 480

tanctctggg ttctcaacta agttttgtga ctgttttgct agtttccctt gttgtaatgt 540

tnaaatccat t 551

<210> 14307
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-E3

<400> 14307

nnngnngtac ttctactccn ccgaggctcn ggtcanaggt cnnagtgggg tcggggccac 60

gcgttcnact ttaacntant ctnatanctt cccggtcacc aaattcgact ctctccctaa 120

ttccagtnac ccatcaattt ctcaacccgt cttcttcgtt tcccgtctcg ttatcagtct 180

catctccgaa gaatacccgc catcttcgtc tcctcatcac ctccgctttg aatccacaga 240

cgggacagcc gacgaagaag gcctccaccg gtagtgataa gagtagtacg aacaagaaac 300

gtaagaaaaa ggggaaaatt gcgaaacctg tggaggattg ggaattgaga gattcagaag 360

acgcttttga ggaagatgat gatgccgatt antcttcttc ntcgagttct ctagcaactt 420

ttaactctcc tcctaccata nncaaaccan ctgctgggtt tgtgattaat gaaactggta 480

aggttcctaa gggctccna 499

<210> 14308
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-E4

<400> 14308

gccaactcca agctccgccg gcaacagtgt cngcacagat gaattgacca accttccccc 60

ggaggactcg ccactcgaca gcgagaagga tgatagcgtt gacttcagcc aggagcaagg 120

atcggagtca aatgaagcta ttgacactga gaatggttca agatccgtag acaagancca 180

atactctgaa actgaagttg tagttagagc acaagattta cagacagaan ctgattcact 240

ggatgatgat gtggagattg tgatcaaaaa ccaacataag tattacatat actgcccttg 300

ctgtggtgaa gatatcacca aaacagtcaa gctcgtgaag atatcagatt ccaaacacac 360

aanagaccat gacaaagctg ttgacagtna cactgagaat nggttaaaat cccaanga 418

<210> 14309
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-E8

<400> 14309

gatggctggc gaagttaggt cgtgataaag aatgccgatc ttcgttgcaa cgccttaggg 60

gatctgacgt cgatatttct cgtgaagcaa acacaattag agataccatt gacatgacag 120

aaaacggtgg tgaaactaag atgtctgaat tgtttcagag acgatacgca tatccgttaa 180

ttatcggagt tggtttaatg tttttgcaac aattgtgtgg gagctccggt gttacctatt 240

atgctagtag cctcttcaac aaaggaggat ttccaagtgc tattggcaca tccgtaatag 300

ccacaattat ggttccaaaa gcaatgctgg caacagtcct agtcgataaa atggggagga 360

gaacgctcct aatggcttcc tgttccgcaa tgggtttgaa tgccttgcnc ctnaatggtt 420

<210> 14310
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-114-Q1-E1-E9

<400> 14310

gatattgtta ggaactttct ccttcataca ttacagcttc agagttggga gaaaactgta 60

gactgttaca gtcctggaca gggtttgatg cctgcaagtt ttaaagtaag aactgtggcg 120

cttgatgaga acactacgga agaggttttg gatccggatt ttggtgaatc agctattggt 180

cgtgttgctc ctgtggattc tggtttgtgg tggattattc tcttgagggc atatggaaag 240

ataactggag aatttcccgt tacaaagaga ggatagatgt tcaagacagg gataaagctt 300

atcatgaact tgtgtttagc acatggattt gatatgtttc caacactttt ggtcactgat 360

ggttcttgta tgattgatcg tcgtatgggt atccatgggc aacctctcga aatccaatcc 420

gtaatccaac caa 433

<210> 14311
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-F1

<400> 14311

gnnnnnnaan ntntactttg cangncccgg tcangaatan aacgggtcga ggccacgcgt 60

ccgcccaanc gtccggaagt ttttcagatt actcaaagac caaatttgca atcgcagaaa 120

gttcctgaag cattagattt tcctcacctt aacgaaaggc tccttcgttg tatatctgat 180

caatcatatg aagttcgtct tgcaacactg aagtggtttc tgcggttttt gaagtcagaa 240

gattccagtt tctcagagtc gagcagtatt tggaactggg caaaaaacgg tctccaggtg 300

atattattag agctgttgga caaggagaaa aaccataaat gtgagaacta cattttaagg 360

attcttttcc agtggaatct tcttatgttc aaaaaatcat gtaacaagga atctgttgaa 420

ggcatttacg ttggttcgtt gaactatgat tcggtgtttc ancctgggg caagctgact 480

ccccaaa 487

<210> 14312
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-F11

<400> 14312

gaagctctgg gattaaacct attttcacct tctaaggntc ttcgtcgttc ntantgatct 60

gtgaaagatg tattcgggtc aagaacaaga tncacaaggn taanggtgtt gcaccaacag 120

agtttgaaga gcaagttact cangctttgt ttgacttggn gaacaccaac caaggagttn 180

aaaagccaat tgaaagatnc ccaaaataaa caaagctggt tcaagatgga taattcctgg 240

gcaaccgcaa aancctgttg gtgattctac gttncaattc aaggctgaag gaaagctttc 300

cgcaagattc atcttcgtct gggtcagaga gcttgagaag aagttcagtg gaaaagatgt 360

gatctttgtt gctaccagaa gaatcatgcg cccaacaaag aaaggtcaac tgttcaaaga 420

ccancccaca anantcctaa tttntgcna 449

<210> 14313
<211> 90
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-F2

<400> 14313

cgcgctattc acttcgggta cancacacgc gctccanacc gtcgttcttg aagagctgat 60

aangatctgg tcgtcactgg ggaaaanggg 90

<210> 14314
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-F3

<400> 14314

naattnnctn ggtngccctn aacnacccct tccaatnttg gacaaaatgg cgtttgcccc 60

aatcaantgg gatatcaatc aagatggggg gtccttggga tcaaacccgc angtaaaaga 120

tttcaagaga gaaatacaat ttaccggcat gcctcaancg ccaaaaggac tttgcccaac 180

tttcatttgg gaactgaang ggagnatgct aaaatcctta tccaaaaagc caaaactggt 240

tgggtttgga agcttttacc ggggaaagat gggcggtctt tttatactca aactgggaaa 300

aagcacataa ggtcctaaac tccggcggtc aagncctttc caaaacgntg ccctttaaat 360

aagggcaaac ggnttcaacn ttaaccgant aaact 395

<210> 14315
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-114-Q1-E1-F5

<400> 14315

gggtcttctt ctccaaaacc catttcctca caaaatccat ctgagaaaaa gagcaacaag 60

tttcattttc atggtggtga tgacgaacaa attcttcgaa ttaatcggcg gagctccgtc 120

gtattcttca gtatccgtcg ctgttaaagg atccgtcggt gacgccgtag gaggaactgc 180

tagtcgtcgt gctcttcgtt ggacaatcga aaatttcctt cctaaaatcg atagattagt 240

tcttgttcat gtcatgccta cagttactac tattccatct ccttctggat cgaagattcc 300

aatagaggaa ttggatgaga gtgttgtgtc tatgtataaa cgagatttga gaaaagaatt 360

tgaacaagtt tttgttccgt ttaagaagat ttgcaaatcc aacaaagttg g 411

<210> 14316
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-F6

<400> 14316

ctgtanagtg aagtttgatt tatttagaga gataagttaa aaaaaaaatg gtcggtatgg 60

atttgttcaa atgtgtaatg atgataatgg tgttggttgt ctcttgtggt gaagctgttt 120

ctggagctaa nttcnatgag ctttatcggt caagctgggc tatggatcat tgtgtcaacg 180

aaggcgaagt cacaaaactc aagcttgaca attactctgg agctgggttt gaatcaagaa 240

gcaaatactt gtttggtaaa gtctctatcc agattaagct tgttgagggt gattcaacan 300

gaacagtcac tgctttctac atgtcttcag atggtccgaa ccacaacgaa ttccaatttg 360

agttcctaag gaacnataac ngccaancct aaatattcaa aacaatatcn antt 414

<210> 14317
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-F7

<400> 14317

tcaangttat ggtagtgata ataagaagag gttggagcgc aagtattcga aaatttctga 60

tgattactct tctttggagc aggtgacgga ggctcttgca cgggcgggtc tagaatcttc 120

aaatctcatc gttggnattg atttcactaa gagtaacgaa tggacagggg ccaggtcctt 180

caataggaaa agcttacact tcataggcag tagtcccaat ccttatgaac aagcgataac 240

tatcatagga agaaccttag ccgcctttga cgaggacaac ttgattccat gttatggttt 300

tggagatgca tcaacacatg atcaagacgt gttcagtttc aattcaaaag gatagattct 360

gttatggant ttgaggaaat actttcccgt ataaaggaat tcnngcccaa cttaagct 418

<210> 14318
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-F8

<400> 14318

ctgttcttca tcacaccgag aattcgaaaa ttccgatgaa caagaaactt ctcaaccctc 60

ttgaagatcc accaaccgct tcttcaagcg aagacgtcga cgaagagatt tcatcaggag 120

aagatgaaaa agaacatatc tccaattctt cttcttctga agaagaaaac gaactcaaag 180

atctctccac tcaaacccta aattctcctt ccaccgaggc tccaactctc gattctggat 240

ctgagacaaa ttccgactca gataagccaa tcgtcttaac cagtcagaag aagaaagaag 300

gtactgattc atcagggacg aagcgagcta gtgaaggaac tagctcaaag gacatcaaaa 360

gagctaagaa agtttcaagg agatgacgaa taccaaaaat ttaaganttt anggct 416

<210> 14319
<211> 51
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-F9

<400> 14319

atgcattttc gatgaccttt gggaacnnag atggttacct cgccttcaca a 51

<210> 14320
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-E1

<400> 14320

ggttataaca gcgaaatcgt cactgctctt gtgttcaaga ctagtaaggg tacaacctca 60

ccgccttttg gaatggtgac tgagaagaaa ttcgaactta aagatggtaa cggaggaaaa 120

cttgccggat tccatgggaa agctagtgat gttctttatg ctcttggtgc ctatttcgct 180

ccatcgacaa cttcgactac tccatctact accaagaagc tacaagcaag aggtggtaat 240

ggaggagctt cttgggatga tggtgttttt gatggtgtta gaaagatact tgttggtcaa 300

ggaaacgatg gtgtagcttt tgtcacgttt gagtacaaca aaggctctca agcaatcctc 360

ggtgatggtc atgggaagaa aacattactt ggnactgaaa cgtttganct tgattaancc 420

a 421

<210> 14321
<211> 274
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-B4

<400> 14321

ganacactgc agatctccag cttgaacgta tcaatgtcna ttacantgna tcttcaggtg 60

gaagatacgt tcctcgtgct gttcttangg atcttgagcc tggtactatg gatagtanca 120

agatccggac cgtttggtca catnttccgt cctgataact ttgtctttgg tcagtcnggt 180

gctggtaata natgggctaa aggtcantac actgaaagtg ctgaacttaa tgatgctgtt 240

ccntgatgtt gttcgtaana gaagctgaaa aang 274

<210> 14322
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-B7

<400> 14322

agactgagag aaccaaggct ccgatctaac aatgaggaag aggacgctcg tgtccgtttt 60

gttccttttc tcgcttcngt ttcttcttcc agatcaagga agaaagttac acncgaatgc 120

agaagagagt tccgatgatg ttacagatnc ancanaagtt gaggagaaaa ttggnggtca 180

cggtggttta gcgacngatt ccnatgtagt tcatanagag tctgagtcga tgtcaaagaa 240

aacgcttcgc agtaacgcgg agaagtttga gttccaagct gaggtttctc ggcttatgga 300

cattattatc aactctctat acagtaacaa ggacattttc ttaagagagt tgatctccaa 360

tgcttctgan gccttggaca aaattaagtt ccttgcactc actgacaaag acgttttggg 420

<210> 14323
<211> 107
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-C2

<400> 14323

nngttgtata gcggttctcc tcatgaccaa aggggttgca tcatatcttc ctcatgatca 60

tcatgcaact tggacgagtc ancatggaca tccngactnc actagca 107

<210> 14324
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-C4

<400> 14324

aattctacgt nnncaggccg ggtcanagaa aaccgggccn nnccangcgt caacggaagc 60

ntggggtttt ccttgttctc caagccagat ctctctccat aaatctctct tcatctctct 120

ctttcgacca aacatccgcg atcctcgatt ctcaattccg tgtctgtttt ttttcttcac 180

ttagcgatgg cgatgataga gcaaaggccg aagacgaaga tcgtttgtac tctangtcca 240

gcttccagat ctgttccnat ggtcggagaa gcttcttagg gctggtatga acgttgctcg 300

tttcaanttc tctcatggat ctcatgaata ccatcaagag actctcgata atcttcatca 360

agctatgctt aacactggga ttctctgtgn cgtcatgctc gacaccangg gtccagaaat 420

ccgaaccggg gttcttgaaa gaatgggaaa cnaatcaagc tgaaacaang gacaagagat 480

ta 482

<210> 14325
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-C6

<400> 14325

tancanacat tgaagaagat gggagtattc acattcgtat gcaagaatgg aggcggcgcg 60

tggagcgcga agcaacacga aggagaactt gaatcttcag cttcttctac ctacaagntc 120

cancgtaagc tcgttcaggt atctctctcc gctgattcct ccggtggcgt tcagtcttcg 180

ntttctcttg tctcccctac ctccgccgta ttccaggtaa ttgttggtgg tggtggtggt 240

ggaggattct ctgctggagg agctgcctca agtggaggtg gtgcgggtga agctgcanct 300

gcccctaagg aagatgagaa naanaaagaa gaatcatgaa naagaanaan gagacttcgg 360

attcgattcc cttgggttaa gatttaaata gtaatttggg aggtgttggg tttgancttc 420

ca 422

<210> 14326
<211> 55
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-C7

<400> 14326

taagctcgtt cangtatctc tctccgctga ttcctccggt ggngttcagt cttcg 55

<210> 14327
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-C9

<400> 14327

nnnnnngnaa ctgtntancn nctcgtagcc gtccanaaat tcnaagggtc nacccacncg 60

tccgaatttc tctgtttttt ttcgttgggt ggttcctcag tggttaccaa atctctcttc 120

ttcttcttcg tcagaagcta aaacctttca aaaccctaat ttcatctatc tatctcaata 180

agtctagatc aaaaattcga atttcaaaat cccgttttga gttttaagta gattcggttt 240

ctgggttttc gtagaaacgg gattaagggc ggattcaaga tcttgaaatt tttgtgtgtt 300

tctcaaactg attataaatt ttggtttttt ttttttaaa tttcgtgttt gaaaaatagg 360

gaaaatttcc ngggttcttc tganaaattc gaatttttg gagatgggag aaggtgaaga 420

aggagacaaa ttcccgccaa aaacggatga ngttacacaa gagtctatga agtccgngaa 480

gnaactcnaa tttantgggg g 501

<210> 14328
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-D11

<400> 14328

nactctctca acaaggtgcc atcaccaaga ggatgactgc aattgaagaa atggctggga 60

atggatgttc tctgcagtga taagactggg aactctaacc cttaacaagc tctctgtcga 120

caagtcctta attgaagtgt tcccaaagaa catggatagt gactcagttg tattgatggc 180

tgcaagagct tccaaggatt gaaaaccaag atgccattga tgcttccatc gtcggaatgt 240

tgggtgatcc taaagaaggc aagaacnagg aatcacagag gtgcatttct tgccctttaa 300

ccctgtagat aaacgtacag cgatcacata catcgatgaa agcggagact ggcatcggag 360

cagtaaagga gctcctgagc agatnattga actctgcaat ctccaangng anacttaaag 420

naaancccac aaattt 436

<210> 14329
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-D12

<400> 14329

nnnnngtang tcnagccnna cgnagccgtc cnggattcaa gggtccacnc acgcgtccga 60

atactttctt ctcatacagg aaaaataagt cagtaatctc caagcataag aaaaatatgg 120

ctaaactaat ctcccatgtt actgcgctat tcattgttgt agttttggtg tgtgcgtttg 180

ttcctgcttt ttctgtagaa gaagctgaag caaaatcatt atgggacact tgtctcgtta 240

aaatcactcc taaatgtgca ttgaatataa tcgcggttgt ttttggaaat ggaaccctca 300

ttgagtcttg ttgcaaggat cttgtccaag aaggaaaagt gtgtcacgat aatctcatta 360

aatatattgc tgacagacca agcttaattg gccgtgaaac acaatacttg aagaagaggg 420

atgacgtgtg gagtcattgt atctcaatct ctaaaactgc ttaaaanaaa gtgnggtttt 480

aaaaataatt ccatnc 496

<210> 14330
<211> 295
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-114-Q1-E1-D4

<400> 14330

ncatcaacag accancanat ctcaacgcct tatctctcga tttcntcatc gaattcngna 60

aagctctctc atctctcgac naaaatcgag atgtctccgt catcatcctc tccggcgccg 120

gaaaacactt ctgctccggt atcgatctca attccctctc ttcaatctcg acagaatcct 180

cctccggtaa cganagagga cgatctagcg agcagctacg ccgtaagatc aagtcnatgc 240

aagcggngat tanagcnatt gaacaatgcc ggaaacctgt aatcgnngct attca 295

<210> 14331
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-114-Q1-E1-D5

<400> 14331

aagtgattaa ttttggagaa aaccacttct accagaaatt tttagcatgg ggagtgaagt 60

caaccgtcca ctagctgatt ttccagcaaa tatctgggaa gatccattaa cttctttctc 120

aaagtctgac ctcggaactg agacgttcaa agagaagcat agtacgctaa aggaggcggt 180

gaaggaagct tttatgtctt ccaaagcgaa tccgatagag aacatcaaat tcatcgatgc 240

tctatgtcgc cttggtgtct cctatcactt tgagaaagat atcgtagaac aattggataa 300

gtcatttgat tgtcttgatt ttcctcagat ggtaagacaa gagggatgcg atttgtacac 360

ggttggaata attttccaag ttttcaggca attcggcttt aaactttctg ccgatgtgtt 420

<210> 14332
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-D6

<400> 14332

gggagaatac cccggagact acggctggga caccgctgga ctctcggctg acccggagac 60

attcgctaag aancgtgagc ttgaagtaat ccacagcana tgggcnatgt tgggtgctct 120

cggatgcaca ttccctgaga ttctctccaa gaacggtgtt aaattcggag aagccgtgtg 180

gttcaaggna ggttctcaga ttttctcaga aggaggtctt gattacctcg gaaaccctaa 240

cttgatccan gcgcaaagca tcttagccat ctgggctgtt caagttgtgc tcatggggtt 300

cattgaatgc tanacaatcg gaggtggacc tctcgganaa gggcttgacc cgctttaccc 360

nggatgtccn ttcnanccat tgaanctggc tnaagattcc naggctt 407

<210> 14333
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-D7

<400> 14333

ttgtctaaaa atggcgatgc taggttttta cgtaacgttc attttctttc ttgtatgcct 60

atttacttat ttcttcctcc aaaagaaacc tcaaggtcag cctattctca agaactggcc 120

gttcctcagg atgcttccag gaatgctcca ccaaatccct cgtatctacg actggaccgt 180

cgaggtgctt gaggcgacca atctaacttt ttatttcaaa gggccatggc ttantggaac 240

ggacatgttg ttcaccgccg atccaaggaa tattcatcac atactaagct caaactttgg 300

gaattaccct aaaggacctg agttcaagaa gatctttgat gttttgggag aaggaatctt 360

aaccgttgat tttganttgt gggaaggaga anaagaaatt aaatcaacnc cccaatccaa 420

a 421

<210> 14334
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-D8

<400> 14334

atctnccgcg ntcaggcnaa ggtacnggnc tcgcgggccg anncangcnt caaangnnnt 60

tcatnggaaa ctaccaccag agatctttga taaagatctc gacgccatct tcttgaacaa 120

caatagattt gagtcgacca tccccgagac aattggtaaa tcaacagctt ccgttgtaac 180

cttcgcacac aataaattta gcggttgcat cccaaaaacc attggccaga tgaagaacct 240

caacgagatt gtgtttattg ggaacaacct aagtggttgc ttaccgaacg aaatcggttc 300

gttgaacaat gtgactgtgt ttgatgctag cagcaatggg ttcgtcggaa gtttgccatc 360

gaccttgtcg ggcttagcca acgtggaaca aatggatttc tcgtacaata agttcaccgg 420

atttgtcaca gacaatatct gcaagttgcc caaattgtca aacttcacat tttct 475

<210> 14335
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-D9

<400> 14335

ttgtatagtg ttgtatctct ctctctctct ctctgtctgt ttgtttcaga gaaggatttt 60

tggcgtctcc acgcacgatt taacgcatcg aagctctctg cacgcttcct gaaagagaga 120

gagaagagag agatcgcaga tcgatttctc ttaaatctct cgtgaatccc atttgccttc 180

tctctgctag attctctctt cttctcttca cccatttctc gctttctcct ttgttctctc 240

atctgggttc ttctcaaagc ctcttccttt ttatgccatg gtgggtgcgt cttcctctta 300

cgcatctccg ttatgtacct ggtttgttgc tgcttgcatg tccgtctctc acggtggagg 360

agataaccgt cangctgttg ctcctcaatc tggtgggcgg antccgcgaa ngaagnaacn 420

taacaaatg 429

<210> 14336
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-B12

<400> 14336

nnngngnnnn ggaacttcna nnccnnnacg gcacnccgtc cnggaactcn agggtccana 60

cacnctcnn gattantgcc ttcaaccgcc gtcgccggat tccattatcg aaggcgacgg 120

aagcagtatc ttaggttttg tccgacgaag ctccgtttga ttgttatcgg ttccgttgta 180

ttcgtcgatc ttccattttc gcatttgttt tctatatccg aagatgggaa gcagtccagc 240

tccgtttgcc gatattggca agaaagccaa agatctccta aacaaggatt acatttttga 300

ccacaagttt actctcacaa tgctgagtgc tacaggaacg gaatttgtgg ctactggttt 360

gaagaaggat gatttctttt ttggcgatat aagcacacta tataaaggtc aaaacaccat 420

tgttgatctg aaaatcgaca gccactctaa tgtgtcgacg aaagtaactc tcaaaaatct 480

cctgccaacc cgcnaaaccg ttaat 505

<210> 14337
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-G11

<400> 14337

ggttccngna nnggtcncna aatcccgggc ccacccacgc gtctaaaagt cgcgtgggtt 60

cttctctctc tctctgcaaa ttcaagacan tgaanaaaac ctctcttcat tttttaactc 120

cctctctctc tctctctcta tggagagacg aacgagacna ntgaagttca cagcagaatc 180

gtacggtcac aaacgtagca gctacaccat ctaacgggtc tccgacactg gtccgtatca 240

ctgttactga tnctttcgct actgactcgt ctagcgncga cgacnacaac aacaacgtca 300

cggtggttcc aagagtganc cgatacgtga angagattag attctgccaa tgtgaatcct 360

cntcctcnac cgcggcgang aaaggtaagc acaatggagg angaaagcgt acnggtttga 420

agatgacgtg tccacgtccg gnga 444

<210> 14338
<211> 346
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-G2

<400> 14338

ggnnnnnngg gaantttttg ccgcnccgta ccggtcaaaa attcccgggn ccaaccaagc 60

cgtcggctaa aacctcatca cacttcttca ctcggtgaat ctttcttcag gcctcttcat 120

aacagaaaaa aaaaatgatg tcttacgttg ctaacttggt catcaagagt tttgaccgtg 180

cttccgtggt gtatgttgaa gatgtggtgg atagctctcg agcgacatgt gttgagaatg 240

gtggtgatga cgatgacagt ggctatgatt atgctcctgc tgcgtgattg tctcctatta 300

gtataatgta atttagaaga aaaaaanaaa aaaaaaaaaa gggcgg 346

<210> 14339
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-G6

<400> 14339

ctactctctc ctcaaaaact caaaagagca aaaaaaagag aagaagaatc aaaatcccac 60

acaatggcaa cacactcttc cttcaccgca acaacacctc tctttctcat cgttcttcta 120

tccctatcct ccgtctcagt tctcggcgca tctcaccacc acgcaacggn gccggctccg 180

tctgtagact gttcgactct catactcaac atggctgact gtttatcctt cgtttcgagc 240

ggaggcacgg tggcgaaacc ggaaggtaca tgttgctctg gtcttaagac ggtgcttaaa 300

gctgactctc agtgtctatg tgaagcgttt angagcagtg cttctcttgg agttactttg 360

aatatcacta aggcttctac tcttcccgcc gcatgcaagc ttcacgctcc ttctatcgct 420

acttgtggat tgtctgtt 438

<210> 14340
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-G9

<400> 14340

nnnnnnnnnn tggnnnnngn aantgtctac gccnctcggt agccgtccan naattccaag 60

ggtcgaccca cncgtccggg gagtttcatg ttaaaaagaa atgaagctct cttgtttggt 120

ttttctcata gtatcgtctc ttgtttcgag ttctcttgcc accgctccgc ccaacacatc 180

tatatatgaa agctttctcc aatgtttcag caatcaaaca ggtgctcctc ctgagaagtt 240

atgcgacgtc gttctgcctc aaagcagtgc cagcttcact ccaaccctac gtgcctacat 300

ccgtaacgct cgtttcaaca cttccacgtc ccccaaacct ctgctcgtta tcgcggcgcg 360

ttctgagtgc cacgtccagg ccaccgtcct ctgcaccaaa tctctcaact tcnagctcaa 420

gactcgcagc ggcggccatg actacgacgg cgtttcctac atctctaacc gccctttctt 480

cgtcctcgac atgtcctatc tccgtaaa 508

<210> 14341
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-H10

<400> 14341

annttaaann cnngcgntcn gaacggtcng gggtccacgg gccgtccnnt tatctaccat 60

agtataaaac agtcagaaga tgtcactgat gcaacaaagt caaagaactc acatgcgatc 120

tgtgagcttg ggctgtcaat aatcaatcac ttaactcaga aagagcctga tctacaaggg 180

gaaatcacac ctgtatcgct gcctccgacg ctgtanaaac cttctgaaaa agttgaagga 240

gacaagtctc aggtaggtga agaaaaattg tggctanctg atgagactgt cctgttacac 300

ttcagggctc tcaagttgga gagtcatgct gatgcatctg tgatncccca aacttcataa 360

aatgangtta tgantgatgg ggaaagtgat ggaaatgaaa ttcctccggg taaaatatta 420

aacgtttgaa antcagggaa caagactaga anggcaaaag gataatcttt ncag 474

<210> 14342
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-H3

<400> 14342

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catcctctca ccacgcatgt cgctctctcc ctctacctcg atttcaacac ctccataatc 120

catggctccg ctctcctcan tctctcctcc gccttctccg gcgaactctc tcttgatact 180

cgctgcattt ccattgctat ggtcctcgat nctctcactc tcgagcctat cccttactcc 240

gtctccacca caccggatcg aattcggggc accgaagttg tcgtagtcct ctccggtcaa 300

tcttcactgc taattgtcta ctccacttcg ccttctgctt ccgctctcca gtggctttcg 360

ccgcttcaaa ctttctccaa attgcatcct tatgtctaca cgcagtgtca agcgattcac 420

gccagatcca t 431

<210> 14343
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-H6

<400> 14343

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taagcttggc agcttctgca atggtgagct catggggaag aagctcaact tgtctcagct 180

tccaaacatt cgtcttcgat cttctactaa cttctctcag aagagaattt taatgtctct 240

aaatagtgta gctggggaga gtaaggtaca agaacttgag actgagaaaa gggatccaag 300

gacagttgct tccattattc ttggaggtgg agcaggaact cgactctttc ctctcacaaa 360

acgccgcgcc aagcctgccg ttcctatcgg gggagcctat angttgatag atgtaccaat 420

gagcaat 427

<210> 14344
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-H7

<400> 14344

cccgtttcaa ctctttggat ccagattctc ctccttttta tgtaggtaac acgcatatca 60

agtgttaaag agtcaagatc acaaaaagtt ctatcgggtg atctgggctg ctttcttttg 120

taatctaatt gcagaaactt tgctctgact tggatagctt cgtaaaaggt tcaatctttc 180

tccgtttttc atcaatgagt agtaactaat ctggaaattt gttgggagag aaagggcaca 240

ttgcactgct attgctagag aacgtttctg catccatgct ggtagagagc atgcgtggat 300

actgtgtttt gggtgatgcc ccctggacaa aattagttcc cgatgcattc ggcgttgtga 360

cgatatgtct agtcgctctg ctagttcttt tgggtcncct ttgcatcgct tactcgttct 420

atttccaatc 430

<210> 14345
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-H8

<400> 14345

ccnnnnnnnn anaannattc ncgggccgac ccacgcgtca ggatgggtca tgctcgaact 60

cgtaccggta tcatctccgt cgcttttaaa ttcttcaggt ctctgttccc tcgccatcac 120

cgtactaaca gcatgaagat aaaaacagga acgtttttgg gggtttcgat atcattgatt 180

cttataaact tagctgcgat catggaacgt gcagacgaga atctattgcc ttcggtttat 240

aaagaagtga gtgaagcatt taacgcagga ccatcagatt taggctactt aacattcgtt 300

agaaactttg ttcaaggact tgcatcacca ttagcaggag ttcttgtcat tacctatgat 360

cgtcccattg ttcttgcaat aggtactttc tgttgggctt tatcaactgc tgcagttgga 420

gccagcagct acttcattca ggttgcttta tggagagcag tgaatggttt tggattgg 478

<210> 14346
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-H9

<400> 14346

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gcgtccgatc ggaagaagaa actcatatat accttccaaa aaatccatac gtcaagtatt 120

tgttctctat cctctctttg ttgtcttata aattcttcaa gcaggtttcg agatttcctc 180

gaatctgttt tgttcttgtt cctcaaaaat gctgggtttt tgaacgaacg aggatgacga 240

tgctcagagt ccgaagcaga gatggattgg agagagtgag tgtagatgga cctcatatca 300

cagtctccca actcaaaacc ctaatccaag atcagcttca gatccctatc cacaaccaaa 360

ccttatccac caatagaaac cttctcctcg ctaagagccc ttctgatttc ctaangttca 420

ccgacatggc cgatcctaac ctccggaatc ctcgtctcct caatccaagc tcaacgggtc 480

taagggtccn accttgcctt acgna 505

<210> 14347
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-A11

<400> 14347

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gcgtccgngc tcctcatcag tgttccgtct acgtcggcgg anccntgggc antagaatca 120

ttttacctat antgtttccc gctttggaga aaaanggtag cagcnattgg aatcaggctg 180

tgaaganctt gacagacaat gttctcaagg ttttgtccga tncaaatcct gatttattcg 240

aagaatgttt gcacaagttc caagaagatc agcaatnngc agaagatact aaaaagaaga 300

atggagaaac ctggagacag ctagaggaga ttgttgcttc aatggcgaag taagagtttt 360

ttctgcactt tacgtgattc aacaagaaat cggtttattg ttttgttttg tttcctttac 420

gcctgaaagg tatatacatt tactttgcct tgcctggctc natttaattt ccggggtttn 480

gnttttaaga ctantttaa 499

<210> 14348
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-A3

<400> 14348

tncccggncc gagnaancct naannncngc tgngaagaag gancacgaag aaggntaang 60

ataagaagga tangaactag gacgataaaa ntggnggagg anaagaaggg gaagatcang 120

agaagaagag caagagnaaa gataagacgc cgaagaaaga gangaaccct gaagataaga 180

aagatccaga gaagttgaag atgaagcttc agaagattga agaaaagatt caagctatgg 240

tcttaaagaa aagatgagat tgtgaagctt attcatgatg ctgaacaagc taagcctagt 300

actgctgcag tagatgcacc accaccaact aactaattca aatacacaaa ttatatacta 360

caataagtta actaatatat tttgtcaata acaaatgctg ctgaatgtta tttcagcgta 420

nctgggaana ggcctttgtt ttgttttgt 449

<210> 14349
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-A5

<400> 14349

nnnnnngnaa ctcnacctnc ncagtgcncg gtcanaggtn cacngtcccg gnccgacgna 60

cgcgtcangc catgactgga gacggagtca atgatgctcc tgctctgaag ttggctgata 120

ttggtgtggc tatgggcatt tccggcacag aggtagcaaa ggaggcatct gacatggttt 180

tggcagatga taatttcagc accattgttg cagctgtagg tgaaggcagg tccatctata 240

acaacatgaa ggccttcatc aggtacatga tctcttccaa catcggcgag gttgcatcga 300

tatttttgac agctgctctt ggaatcccag aaggcatgat cccggttcag cttctgtggg 360

taaatctcgt aacagacggt cctccagcta ctgctttggg gttcaacccc cctgacaaag 420

atattatgaa aaagcctcct cntaagancg atgactcccc taacaatgcc tggattctcc 480

ttccgcaaaa ng 492

<210> 14350
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-G10

<400> 14350

nnnngnantt ntaaacnctc agcagnnctg aancggtcag aggtcgaccn acccgtccgt 60

gcgtttnctg tatttgaaga tatggtaaaa gaaggcatga aaccagatgt tatactatac 120

aacaacatca tctcagcatt ctgcgggatg ggtaacatgg ntcgagcgat ccagactgtt 180

aaggagatgc aaaagctgag gcatanacca accacacgga catttatgcc tatcatacat 240

ggatatgcga aatccggaga catgaggaga tcactagaag tttttgatat gatgagacga 300

tgtgggtgtg ttccaaccgt tcatactttc aatggtttga ttaatggttt agttgagaaa 360

cgtcagatgg aaaaggcggt tgagatatta gaccaagatg acattggcgg gtgtnagtgc 420

aaacgaacat acttacacca nagatnatgc aaggctatgc atcaatcggt gatacccgga 480

aaaacccttt gagt 494

<210> 14351
<211> 226
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-112-Q1-E1-F11

<400> 14351

gtttcggcac taaacttgcc tgcgagtgaa acccaacaaa aggcaacaga aaagaaaaag 60

tgaactggct ttgcaaaaat gtaatgtttt gatgtaatca tgtgtaagtg taaacacaaa 120

ggtatgtgga aaggagaagc acataagtat tattatgtaa gaaacattat ttaaaaccca 180

taatcataat gtatctctta agtataaaaa aaaaaaaaaa gggcgg 226

<210> 14352
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-112-Q1-E1-F12

<400> 14352

agttccgact ttttgcttct cccagaggct aatcatggac gctgtggcgg cgaatttgtt 60

tcaatctcct tccttactgc gtcaaacttc cgaaaggttg atattttcga cgcccaactg 120

tcctggcttc atgcgaatta gctccggacc tcaatttcgt ctcagacaaa actcttctct 180

taaattctcg agaccatttc aaagcggaac aacttgtgtt aaatctcgga gaagctttgt 240

ggttaaagct tcagcttctg gtgatgcttc aacagaatca atcgcgccgc ttcagttgaa 300

gtctcctgtg ggacagtttc tgtcacagat attagtgagc catcctcatc ttgttccagc 360

agctgttgaa cagcagcttg aacagctcca aaattgattg agacctgaaa gaacagagta 420

aaagatgcat cc 432

<210> 14353
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-F2

<400> 14353

ttttcacgcc ggagatagag agagagaagt aaaaaagcga gaaaaagcta gaaactttag 60

aatacccaat aatggntccg atcgaancng ncgagtacaa nggcttcnan acccctaacg 120

gtaacttcna ccatggttgg aaaaaatncg tgtncccgaa acgtcnccgg aagcaaaaac 180

aagcggttca agcgacggca aatggtggca aaactgttgc ttcaaatgga accgtagcta 240

acggcggaga taacgttttc cgttcgttgg aagagcaagc tgaggatcgt cgacgacgga 300

tcttagcggc gaagatgact gctattgatt cagatgatga tggtgttgtt aagatctaaa 360

catcgatcta atgggttacg gtgatgatgg gtatgatttt gatggtagtg atgatgagat 420

cgcaacgctg ag 432

<210> 14354
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-112-Q1-E1-F3

<400> 14354

aagatgggtg tgaagcaggc tctaaggagc attgatgcgt ttccaagagc agaggatcat 60

ttgcttcaga agacacaatc tggcgctgtt gtatctattg ttggacttct tataatggct 120

actttgttct tacacgagct gagttattat cttaacacac ttacagtgca ccagatgtca 180

gtggacttaa agcgtggaga aactcttcca attcatgtaa atatgacgtt tccatcttta 240

ccttgtgatg tactgagcgt agatgctatc gacatgtcag ggaagcatga agtggatctt 300

gatacaaaca tttggaagct ccgtctcaac agtcatggtc atatcatagg cacagaatat 360

atatctgatc tgttgaaaag gggcatgagc atggccactc acctcacaag catgatggca 420

aagaaga 427

<210> 14355
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-F5

<400> 14355

gctgctctca cacgcaaata atggctcatc tcttcaggga gctgtctctg ggccactcca 60

agagagagtc tacgccgccg ccgccgtcac attcggcgac ttcacgttct tcttcaatgt 120

cttccgatct acctccatca ccactcggac aactcgctgt ccaactttcc gattccgatc 180

tccgtctcac tgcttacgag atcttcgtcg ccgcatgtcg tagcgccacc ggtaaacctc 240

tctcatcggc tgtttcagtc gctgttttga atcangattc tcccaatggc tctcctgctt 300

cgccggcgat tcaacgttct ctgacctcaa ccgccgctag taaaatgaag aaagctttgg 360

ggttaaggtc gtcttcttcg ctttcacctg gatntaataa gantctggnt ctgcttcngg 420

ttca 424

<210> 14356
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-F7

<400> 14356

ggttcggccg gtggaggcag attcggcggc ggaaattagt ccggaacaag accacgaagg 60

aagatcggag ccttcgtcgt tgaaccaagg ggagatttta aaaacacttg ctacggtgga 120

gaaggattcg caggcaatcg cggagagctt ttcgtctctc tttgtttccc tccgatcaac 180

tctttctgag gctactggta gctcggttga tcacatggct tgctttggag aggcagcggg 240

acggcttcag gaaaatgctc tagatgcagc caccaaaggg aaccggtaca tcaactcttg 300

cctcagatta aacgangaaa ttaaaggcgt tgagaatttg gcggctcggt taaagcacct 360

gaggaaaaac gtggatgttc ttgacacggc tgtaaa 396

<210> 14357
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-F8

<400> 14357

nagcgtttca agacgtttgg ccgtttttga aactgtcgtt tgcgtctgcg gttatgcttt 60

gtctagagat ttggtacttc atgacgatca ttgtcttaac tggacatctt gaagaccctg 120

tcatagccgt tggatctctc tcaatctgta tgaacattaa tggatgggaa ggaatgttgt 180

tcataggaat caatgcagct ataagtgtta gggtgtcgaa tgagctagga tcgggacatc 240

cacgagctgc gaaatactcc gtgatcgtaa cggtgataga gtctctcgtc attggagtag 300

tgtgtgcaat tgtaattctg ataacacgag atgactttgc tgtgattttt acggagagtg 360

aagagatgag aaaggcggta gctgatcttg cgtacctgct cggtataacg atgattctca 420

acagtttaca a 431

<210> 14358
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-G1

<400> 14358

gnnnnnntgn aagtgtttat nagccggccc ncggtccaag ganacccggg tcgncccacg 60

cgtccnggaa tcactcctgc acgcgtcttc gtctctggtg tctctgagac ccagaatcga 120

cggtagagat tcgttcatca acccgtcacg cgtgtgcctt aatcctagtc tcggccgcag 180

aggatctaaa cctcttccgt tggtcgcggc ggcgaagaag aagaaaagca agaaagatga 240

caatcataac ttttcagcta gacctgacga agccactggt ccttttcctg aatccattct 300

tctcaaagag aagaagattg atgaagaagg tgatcttctt cccgagtttg ctgatgctga 360

agaaaaggag ctatatcagt ttctggatct tcagcttcag agtgacttga atgaagaaag 420

gatgaggcac tatgaggtgg tttacttgat tcatgaaaaa catgctgagg aggttgaaag 480

cattaaccag aaagtaca 498

<210> 14359
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-G10

<400> 14359

aaattcgatc tgatcactga gaaactacgg cgacgacgaa gaatacggtg gaggaggaag 60

tacaatgaga atattaagct acggaatcgt tattctctct ttactcgttt tctctttcat 120

tgaatttggc gttcacgctc gtcccgtcgt tctcgtcctc tcaaatgacg atctcaatag 180

cggcggcgat gataacggag tcggagagtc ctctgacttc gatgagtttg gagaatccga 240

acctaagtcc gaagaggagc ttgatcccgg ttcatggcga tcgatcttcg agccagatga 300

ctcaacagtc caancagcct cgccgcagta ctactccggn ctcaaaaaga ttctatcggc 360

ggcgaattga gggaaatttc aggttgatgg aagaancagt ggatganata gaggctgctt 420

cctcagctgg ga 432

<210> 14360
<211> 226
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-G11

<400> 14360

tctcnttcng gggatttttt tttggnnaaa tcgntctgtt acctttttttt tgcccattac 60

tcanacccga accctaattt tctgaaatcg cacgagagag agagagagag gtttcttcgg 120

aattctttca ncatcaattc gctaactttg ttttttgggg gttaaatcga ttaatcgtta 180

ttttattaga tactgtcnat cggagctaan caacnctcnc ttaaca 226

<210> 14361

<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-112-Q1-E1-G12

<400> 14361

ttcgccgcgt ggattgatat gacgactctc tttcgccgga agtcaatcgg aatccgcgac 60

aacttcttcc ttcaatccct ttgatttttt tttggctcta cttatcccaa acccttcaaa 120

tcttcaggtc caatctcttc ttctatttgt tttttaatta aaaaaatccg gcgaaaggtg 180

aagctcttgg attcgagtgg tggctagtaa tcgatttcgg tagtttagaa gtagtttata 240

ggttttatca gctttcgatt tgatggagcc gcgagtcgga aacaagtttc ggctcggaag 300

gaagatcggc ggtggatcat tcggagagat ctatcttggt accaatatcc agacgaatga 360

agaagtggct aataaacttg aaaatgtgaa aactaagcat cctcaagttg ctgtatgaat 420

caaagttgta 430

<210> 14362
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-G2

<400> 14362

ctnctgntaa caacagatgt tgtgattgct gacaagttcg ctcctgatgc caacagcaag 60

attgtgccag catcagccat tcctgatggg tggatgggat tggacatcgg tccagactcg 120

gtgaaaacat tcaacgaagc tctggatacc acgcagacag tcatttggaa tggaccaatg 180

ggagttttcg agtttgaaaa gtttgcaaaa ggaactgagg cggtagcgaa taaactagca 240

gagctaagca aaaagggagt gacaacgata ataggaggag gagactcggt ggcagcagtg 300

gagaaagtgg gagtagcagg agtcatgagt cacatctcca caggtggtgg tgccagtttg 360

gagctcttgg aangcaaagt gcttcccggt gtcgtcgctc ttgatgaagc aacgccagtc 420

actgtttaac a 431

<210> 14363
<211> 428

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-G3

<400> 14363

tnattctctc gaactttctc tctctaaata ttttgtttcg ttttctctct ctctctctat 60

ttactttcgt tctctctatt ttttttgttt ggtttagctt atttgtgaag tgttaaatct 120

tcttcagttt ctggggaaat taggtgggga ggtgaaaaag ggggaaatat aattgaaatt 180

gggttctctc tgctgtgcaa taataatttc tgagaggatt gtgaagaagc gcttttatgt 240

aagaagatat ctcattatta gttatttaca tgagaatctg acattcttaa caactgtctg 300

tggggttagt tttgtccaaa gaactataca gagatgtctc agaccaactg ggaagctgat 360

aaaatgttgg atgtctatat ccatgattat ctgggtaaaa gagatttgaa agctacagct 420

caagcttt 428

<210> 14364
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-G4

<400> 14364

taatgatgag tccaccagaa atggagattc caagaaatca gggaatcgga gcgggggcaa 60

ttgcgggcat aatcatttca tngttagtag ttacagctcc ttctngtngc ttcctcctng 120

ttcagaagaa aaaaatcaaa gaggtcatca cccatggaca ttgagaaaac cgataaccag 180

cctttcactc ttgcttcaaa cgactttcac gaaaacaatt ccattcagag ttcttcatca 240

gttgagacaa agaaactgga cacttcattg tctattaatc ttcgacctcc accaattgat 300

agaaacaaat catttgatga tgaagattcg acaagaaagc ctattgctgt caagaaatcc 360

acagtggtgg ttccttcaaa tgtgagactc tattcagttg cagatctcca aattgctact 420

gggcagtttc agcgtana 438

<210> 14365
<211> 427

<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-112-Q1-E1-G7

<400> 14365

ttgtgttcaa tatctacaac aagaaggtct tgaacgctta tccttaccca tggcttacct 60

cgacgctttc tcttgccgct ggttcgttga tgatgcttat ctcttgggct gttgggatcg 120

ttgagactcc caagacggat tttgatttct ggaaaactct ttttccggtt gctgtggcac 180

acacaattgg tcatgtggct gcaacggtga gtatgtcaaa ggttgctgtt tctttcactc 240

acatcatcaa gagtggtgaa cctgcgttta gtgtgcttgt ctcgaggttt attttgggtg 300

aaaccttccc tacttcggtt tacttgtctc tcattccaat cattggtggt tgcgctctgt 360

ctgcccttac cgagcttaac ttcaacatga ttgggtttca tgggaactat gatttcgaac 420

ttggctt 427

<210> 14366
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-E9

<400> 14366

tacgtttcgg ttttcaggcc aatctctgaa tctgcgtgac aaaagcaaca aattacatat 60

ctctctctct gcgcgacttc gaagatcaac atccatggcg tcacaggtaa ggtcagtaaa 120

agttggcaat ctctcttcag gagcaactga gcatgatatt aaagagtttt tctctttctc 180

tggtgaagtt taaagcatcg atatccaaag taaccagcat agtgcttatg tcacatttaa 240

agaaactcaa nggagcaaag actggcgtgc tcctaaccng ganccaatta ttgccgttaa 300

atcattcatc aattattttg ggccccaaat tangntccaa caagnagccc ncaangctga 360

aanacaaaan ccaancgggt 380

<210> 14367
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-C4

<400> 14367

caagattctc ttctctctat ctctctcgcg taacgccgca accgtatcga caaattgaat 60

ccacgaggaa atctcagtaa atactatggc gaccaacgaa cccgancacg agcacagana 120

cgangaagag gccggagcta acgaggatga ngacaccgga gctcangtcg ctccgatcgt 180

tangcttgan gaggttgccg tcactaccgg cnangaanac gaagatgccg tccttgatct 240

gaaatcgaag ctttatcgat tcgataagga tgcgaatcag tggnaggaga gangagctgg 300

tactgtgaag ttcttaaagc ataagaacac tgggaagatt cgtctcgtta tgaagcaatc 360

tanaactttg aagatctgtg ctaatcactt cgttaaatcg ggcatgantg ttcacgaaca 420

cgttgggaat gaa 433

<210> 14368
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-C5

<400> 14368

acctctctaa gaagaaagga ggtaagccta atctgaggat tgctagtctt ggccacgcgt 60

tgcatgtatg gctcaatgga gaataccttg gaaacggaca tggtagccat gaagagaaga 120

gtttcgtctt tcagaagcca gttactctaa aagaaggaga gaaccactta accatgctag 180

gtgttttgac gggatttccg gatagtggat cttatatgga gcatagatac acaggtccac 240

gtagtgtttc catcttangt ttgggctctg gaacacttga tctcactgaa gaaaacaaat 300

ggggaaacaa ggtgggtatg gaaggcgaaa ggcttggtat ccacgccgaa gaaggattga 360

agaaggttaa atgggaaaaa gcntcangga aagaaccngg aatgacatgg tancaaacat 420

<210> 14369
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-112-Q1-E1-D2

<400> 14369

ttgagtcttc cattgacatg ggcgcttagc ttatgcttga gatattttgt ttttacctcc 60

gagaaacgga tttagattcg taatcgtgag ttttttggtg taatggagat cgctactgtc 120

gtaaaggcta atggcggttg tgaagcggat cgacgacggc ttcgccgatt gagatgctct 180

gttaaggatt acgattgggg caaaattgga tcggattcac tcgtttacag ggtttatgcg 240

gcgaattcag attacgagat cgatcctaca cgaccttacg ccgagctatg gatggggact 300

cacgagtctg gtccgagtta cttggaggat gctgatggat ccaatggcgt gacccttaaa 360

tcctggatca ccgaaaacct aaatctcttg gaaataaggt tttggagaaa tggggttgcg 420

atccccc 427

<210> 14370
<211> 54
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-D5

<400> 14370

atacttcggg tattctcagn ttcttggaag aaaggtaggg nttgttgttc ttgg 54

<210> 14371
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-112-Q1-E1-D6

<400> 14371

agcaaaattt ggagaaatcg aacagacgat cgagatcgag gaaaatggcg tcgtggaatt 60

cgattccgct ggagatctcg tacgaaatcg ttggatggat cgcgtttgct tcgtggtcaa 120

ttagctttta cccacagctg attttgaatt tccgtaggag aagtgttgtt ggattgaact 180

tcgacttcgt gatgttgaat ttgacaaagc actcgtcgta tatgatctac aatgtctgcc 240

tctactttag tcctgttatt caaaagcagt actttgacac ttatggcgat aaagagatga 300

tacctgtggc tgcaaatgat gttgcattct cgattcatgc agttgtaatg acagctgtta 360

cactgttcca gatctttatc tatgaacgtg gacctcaaaa agtatccaga cttgctatag 420

gtattgtggt t 431

<210> 14372
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-D7

<400> 14372

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cgtcnncctc aacacaaaat gttgatgccg agatgacagc taaatgtgac ggtcttttca 120

aggccatgtc tgcattgagt gctagtaaag gcgtcaaatc agcggatgct gggagtatga 180

agatgaccat gttgtcgatg ggaaagactt tggttgagca gaagaagaat acaaagataa 240

tgacattgaa ggaaaagaaa gagttggtca tagatatggt gaaatggact aaaatggtcg 300

ctacatttgt gaagtcggcc tccgagcaga aaggaaagtc tatcaatata gcatcttatg 360

gtcttgatgt cgatgttaac gatagttcta ttgtcggtgg agctgcaagt agtgaatcat 420

cctccactaa atctggatct gtttccagta ncggaagtgt ttctaccaag tcnaaagaat 480

cgagtagtag tggaa 495

<210> 14373
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-112-Q1-E1-D8

<400> 14373

cagctgttgt ttcttagttg actccctctc cgacgaaaat ggtgtccacg agcaagatca 60

aatccgttga tttctatagg aaaatcccga gggatttgac agaggcgtct ctgtctggtg 120

ctggattgtc cattatagca gccctctcta tgatatttct atttggaatg gagttgaata 180

attatttggc tgtcagcact tccacatcgg tcattgttga caggagcgct gacggagact 240

tcttgcgctt agattttaat ataagcttcc cgtcactttc atgtgaattc gcatctgtgg 300

atgtcagtga tgtattagga actaacaggc taaatgtaac aaagacaatt cggaagtttt 360

ctattgattc gaatatgaga cccactgggt tctgagttca tgccggggaa gtttatcact 420

catt 424

<210> 14374
<211> 320
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-112-Q1-E1-D9

<400> 14374

acctttctct cccctgtata tgtagatgct tcttgatcaa atggagacct agctagcact 60

ccttctccat ctcttttcat ttttattgat tttgtcacag catcatctac ttttgtatta 120

ttcttttagt tctctgatgc ttcttctctt tctttctttt tttgggtggg ggtatttgta 180

tttctagtca taacctttct cgcctgcaga tatgtgaaag atagagagag agttgataac 240

ttttttcttt gtgtcatgag agtgagtgac tcggagggct caataatatc ataaacttgc 300

agaaaaaaaa aaaaaaaggg 320

<210> 14375
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-E1

<400> 14375

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aaccgacccg taaaccgaaa tcctcaaaag aaattgccga tcggtttgct actgttcaaa 120

acctcggtgc cgagaaccga aactgtcggt tttttcggtt cgggtttctc ggtttcttcc 180

gaactcccaa gcctaatttg gttttanttt tcacgaagtt ttgcttctcc tttcatcggc 240

gacgacgacg tcgagtttct gtcaaaacgt taacgattcg actcnancgt ccacagtnag 300

agaagaagac agcgattgtg tgtanatnga cggggaacgt gtgtcnattc gtctcgatng 360

acggagaata cgtttcgatt cggtttcgat tcaaatcgga gaatttgagg atctaaa 417

<210> 14376
<211> 498

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-E10

<400> 14376

nnngnaacgt tngcagctct nnncgctcgn cacaggtctt agnctcgcgg gccganacan 60

gcntctanan ngtntnctat catctccggc gactccagga gcgcctcttt gcacctctct 120

tcttctctcg ctctctgttt ctgaggttct gcaagaagta aancatgtca gttcttattg 180

tgacgagcct tggtgatata gtaattgacc ttcactcgga taaatgccct ttgacttgca 240

agaacttcct taagctttgc aagatcaagt actacaatgg gtgtcttttt cacactgtgc 300

aaaaggattt cacagcacan actggtgatc caactggtac gggagctggt ggagattcaa 360

tctacaaatt tctgtacngt gagcangctc gtttttacaa agatgagatt catcttgatt 420

taaaacattc anagaccggc actgttgcaa tggccaatgg tggagagaac tcantgcttc 480

ccagttctat ttcacact 498

<210> 14377
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-E11

<400> 14377

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tgatgagaga gatgatgtga ttgtcatcgc agctaaattc tttgaaatgg cagttgagca 120

gaatttcacg aaaggccgca gaactgaact agtacaggct tcctgcctct acttgacgtg 180

cagggaattg aacattgcgt tgcttcttat tgatttctca agctaccttc gagttagcgt 240

ttatgagtta ggttctgtat acttacaact ctgtgaaatg ctgtaccttg tggaaaatcg 300

gaattatgaa aagcttgttg atccttcaat tttcatggat cgattctcaa acagcttatt 360

gaaaggaaaa aataataaag atgttgtggc aacagctaga gacattatan ctagtatgaa 420

gagagat 427

<210> 14378
<211> 54
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-E4

<400> 14378

ttaattcatc gaattattca tgaattttcg gtgttatcgc gtcatctnnt ggat 54

<210> 14379
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-E6

<400> 14379

ggctctcaaa ttcatactac ttggcaagct tgctcgattt ccctcgtaca gccaaattgt 60

gctatgggaa tcaaaattaa cagtcgcaga agccagtaat aatggagtcg ttgcttcgag 120

ctgatcaaac cctaattccg ggagcgatgt gtagccgcag agtttggaca cactcagaac 180

tggctcttcc ctcagtgagc gtaactgaat tggatctggt gaaaagtcta ttacaagctt 240

tgcaaagtcc gtcaatccct tccttttctg ggaaccaaac tggacaaact ttccgcgcca 300

aaaatcatat aagcgtcccc caatttgtcc caatcnaacc ntcangttcc ttccccnctg 360

ggnttccgga atcccgctan aatggtttgn aaaccc 396

<210> 14380
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-E8

<400> 14380

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gagattcctg ccatgaaggn tactgccttg aggtttactg aganggctaa ggctaagaat 120

tgagaaagct ggtggagagt gcttaacctt tgaccanctt gctctcagag ctccattggg 180

acagaacaca gttcttctta gaggaccaaa gaactcgcgt gaagcaatga agcatttcgg 240

acctgctcct ggtgtgccac acagtaacac taanccatat gttaggcata anggaaagaa 300

gtttgagaaa gctanangaa agcnaaaaga atccttggat tcaangtcca aaaagatgtt 360

ttcctgggtt cnttttgcct gggttaagta accaagtttt gggtaaggaa anccgggtcc 420

tccttaaccn gttncagact tggtttaaat tccggttttt caatcccaaa gacaattggg 480

taaaaaaaaa 490

<210> 14381
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-C3

<400> 14381

ttcttgcccg cccnggtcaa gcaacccggg ccggcccacg cgtccngaaa gacgcaatga 60

tttagacaga gacgatggaa acaaagagcc tttggtcgtg gatagtagcg atagtacagt 120

gaacaacgaa gctcctttgc cgcaaacgaa actggttgcc ctgcagctaa caacagatca 180

cagcacaagc atcgaggatg aagtaacaag aataaaaaac gagcaccccg atgacaacca 240

ttgcatagtg aatgacaggg tgaaaggacg gcttaaggtg accagagcgt ttggagcggg 300

attcttaaag cagccaaaat tgaacgatgc tttgctggaa atgtttcgaa acgaatacat 360

tggtacggat ccatacatat catgcacacc ttcccttcgt cactaccggc taacagagaa 420

tgatcagttt atggttctct catcggatgg attgtaccaa tacttgagca atgtggaa 478

<210> 14382
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-H1

<400> 14382

ttnattttat ttaggaaact ttgtcttttt tccttcctct gcgctgtctt cttcaaaaaa 60

caaaatattt tgtttttttgt tctattagta actttgcttt ctccacaatt caaagctaat 120

ttagttctat tcatttttcc ctctctcttt tgcaaagatt tggtagaaga agaaaaataa 180

aaagagttat aatcaatcag atcttgtttt aaagtgcaga ctctttattc tctccctcac 240

ctaaggcttc agaaccgtaa ntttaaaacn aaaancgaan caatnccngg agaataggaa 300

agaaataatt gatggttcaa gtgaagacaa nnaaaaaaaa gcgaagactt acatccgggt 360

catcganttg agaaagtctc ttattgtaac tcaagttccg caatgggtag gnacaaa 417

<210> 14383
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-H10

<400> 14383

nnnngnantt ccacgccgct cagtagnnct ganaanngtc atnagnccac ggggccgacc 60

caagcgtcca nttctgccca aaccaaaaaa aaaaagtttc caggatccaa aattacaaca 120

aagattctca aactcctaaa acttcatctt aaaaacttaa caaacaaaat tctaattacg 180

aaaaatccca atcctagtgt ttctcttgtt ggctttttttg tttgatctgt ctgtaatttt 240

ttttttgttt gatctgtggt ttgttttgta aaaattccac tcgtcagcac tcagattaat 300

ctcttgtcca ttgatctatc tatcgacttg cttcgacttt tgatttgaga tttgcgaaaa 360

ttaaggtttt tgtttcgaaa ttagtgtttg tgtcanctaa atgaacgatt aatctaagct 420

ggatgaatcc cgccaactcc aanagcaaaa tggattgggg caagcctcca acggcaacag 480

aagggatgaa tcccgccggc cggccgtnaa a 511

<210> 14384
<211> 545
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-H3

<400> 14384

nnnnngnaac ttcnacgctt gnacggtacc ggtcncnaat ncccgggncg acccacgcgt 60

ccacaacaag cagaagagat tcgattctcc attatcttcc ttctaaatgc cttccctaat 120

gttatctgat aagaaagagg agaagaagat gaagaagaag atggctttgg ataccccaga 180

gcttgattct aagaagggga agaaggagca gaagctgaaa ctatctgatt cggatgaaga 240

agagtcggag aagaagaaga gtaagaagaa ggataagaag cgtaaggctt ccganggagg 300

aggatgaagt gaagaagcga tcaagctccg gagaaagaaa gaaagaagca agcaaagaan 360

ggttaaagtt tgggccgttt gaagggattg tttgaaagtt tgataanccc taatgcctgt 420

ttcctaaagt tttccggatt ttctgccgcc ctttgaaggg gaaaaagcct taaaggcnaa 480

atnggtaatt gaaagctcct ttttcccgaa ttcaaggctt ccaacgtttt gataatgggt 540

tccnc 545

<210> 14385
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-H4

<400> 14385

nnnttgccgn gccggtcana gtcaancggg ccgnggccnn cgtccngttt catcttgctt 60

ttgagaaaaa ataattatat atttttatat angaaagggt taatttatta ataaaaaaaa 120

ataaaaagaa gcagaaaaga gataatgcag ggtggtaggc ttttgacggt gttggtgtgc 180

ctcgcctcca cggtggcgtt ggtgagcgcc ggtgaccctt acttctacta cacgtggaac 240

gtaacctacg gaaccgccgc gcctctcgga attcctcaac aggtgattct catcaacgga 300

cagttccctg gtcctaacct aaactcaacc tccaacaaca atgtcgtcat caatgtcctc 360

aacaanctcn acgaagcctt cctccttgaa ctggaattga acccancccc agggaanaan 420

ccatggcaaa aatggtntta acngggacct catgccnaan ccaacaggna ncaaanttca 480

cttacaattt cca 493

<210> 14386
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-A12

<400> 14386

tagggttcgt tgattctctt tttgattacg aaagcttaag atctcttttg gtggattttt 60

gggtttatcc atctatggtg gatcgcagat cttttggctc tataactcct cctctccaat 120

tanatatgga acagttgctg tcagaagccc aacacaggtg gcttaggcct actgagattt 180

gtgaaattct tcagaactat cacaagtttc atatagcatc agagtctccc acccgacccg 240

ccagaaggta ctgagatatt ttaggaaaga cggacataac tggaggaaga agaaagatgg 300

taaaaccata agagaagctc atgagaagct caaggtagga agcatagatg tgctacattg 360

ttactatgca catggggaag ccaacgagaa tttccagaga cgttgctact gggatgcttg 420

aacaacattt ga 432

<210> 14387
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-A2

<400> 14387

tgtaagcgga tttcatcagc attcagcagc cagacgaaac ttttaacgat ctaccatcga 60

accaggtctc tcatatcttc cgatcatctt ctccgattac gattctttcc ttctcgtttt 120

tagattagct cagaaatttt tctaaccttt tcttctctgt cgatctaaca cctgacctcg 180

atttttcgtt accgatacca ccattttcga ggtcagagct accgttttcg tatctgtgtt 240

atcatatccg gattaggttt tgattttatg attacatttg ttataatcag tgatttgttg 300

tttattcgcg atcctcggat tttcgctgga tgatcttttg tgcttcctct atacgttttc 360

taaacctaga tttggatcga tttgggatat gagaagcgtg tttgtncact gttt 414

<210> 14388
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-A6

<400> 14388

gattatctga gagagagaga gaagaaactt gttgaaacaa aatcaacaac aacttataga 60

agaccaaaaa aagattcata ggatcttttg cttgacaatg aaagaaggaa aggatgggtt 120

tgttcgagca gatcagattg atctaaaaag cttagacgag caactagaga gacacttaag 180

cagagctttg actttagaga agaacaagaa gaaagatgaa gaanacacaa ccgccgtcgc 240

catcggtggc tctgcttctt cttcccctgt cactctaaac ggcggcggat ttgttggcaa 300

gaggaaacag agacttgagt gggagatcga tccttctaaa cttatcatca agactgttct 360

tgctcgtggc acttttggta ccgttcancg tggtactacg ac 402

<210> 14389
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-A7

<400> 14389

nnnntnnngg naacttttac tctgccccgc ccggtncaaa ncanagnatt cccgggccga 60

cccacgcgtc nagcaatgta atcatcctaa tgttgtccgc tacctaggga gttaccaagg 120

agaagattat ctttggtgat ggagtattgt ggaggtggaa gtgttgctga tcttatgaat 180

gttactgang aggcgttaga ggagtatcag atagcatata tatgtcggga ngcgttgaan 240

ggccttgcat acttgcactc aatatataaa gtccatagag acattaaagg tggaaatatc 300

ttgttaactg aacaaggaga ggtcaagttg ggtgactttg gggttgcagc tcaacttact 360

cgcactatgt cnaagcgaaa cacgttcatt gggactccac attggatggc cccagaggtt 420

attcaggaaa atcgttatga tgggaaagtt gatgtntggg ctcctgggtg tttcagctat 480

tgagatggca gangggctcc c 501

<210> 14390
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-B11

<400> 14390

nnngnnnnnt ttnnnnngcc tctacgccgc ccaagtaccg gtcaagcatt cccgggncga 60

cncacgcgtc cgcccacgcg tccggagcgt tcagatttct cttcaacata atcatggcat 120

tgaccttctt cttcttgtta tcgaatttgt tcttctccgg agttatgtca aggagcttca 180

cattttcaaa caaatgcgat tacacagtgt ggccgggaat tctatctaac gccggagttt 240

ctccattacc aaccaccggc ttcgtcctcc tgaaaggcga gacgcgtaca atcaacgcac 300

cgtcatcatg gggggtcgt ttctggggaa gaacactctg ctcaaccgat tccgatggaa 360

aattctcgtg tgccaccgga gattgcggct ccggaaaaat cgaatgctcc ggcgctggag 420

ctgctcctcc tgcgacttta gctgaattca ctctcgatgg ctccggagga ctcgattcta 480

cgatgtcagt ctcgtcgacg ggta 504

<210> 14391
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-B4

<400> 14391

gnnntnnngg naacttttac ttcgnccggc caccggtcan agnaatcccg gggncgaccc 60

acgcgtccaa caaacaaaaa gttgaagctg aatttttttt gcaggtttta agttaaagat 120

gatgcagaag aagctacttc ttatagtatc aatcatcttg aatctcgtat tcaccattca 180

tattctttat tatagttcaa ccacatggaa tccaacgtgg accaacagag ctgcagcgga 240

agcagaaact gtagcctctt tttcatgctc aggccacggc agagcttttg tggatggtct 300

tggtgtcctt gacggccaga aacctccttg tgagtgcaac aattgctaca taggaaaaga 360

ttgctccgtt cttctcaaag attgtcctgt cgatgctaac tcaggagacc ctttgttctt 420

ggagcctttc tggatgcgac aagcagagag aagcgcgatt ttggtctcgg gatggcacan 480

gatgagttat atatacgaag at 502

<210> 14392
<211> 227
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-112-Q1-E1-B5

<400> 14392

agtggaagaa gaagcgtatg aggaggctta agaggaagag acgaaagatg agacagcgtt 60

ctaagtaaat ttgcctttga agacaatgcg actctgtttc ttgcttctct ccctttctct 120

cttgcaaaca ttgttcttac tataagcttc cttttatgtt tcagacttgt ttaagatttt 180

aatcaaaaag aaagtttcag actttaaaaa aaaaaaaaaa agggcgg 227

<210> 14393
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-112-Q1-E1-C1

<400> 14393

caaagccaga gatggagcct taaggccaag accgtacttg taaccggtgg aacaaaaggc 60

atcgggcatg ctatagtaga ggaatttgca ggatttggag cagtaataca tacttgtgct 120

agaaacgaat atgagcttaa cgagtgttta agcaaatggc aaaagaaggg ttttcaagtc 180

actggttcgg tctgtgacgc atctttgaga ccagagagag aaaagctaat gcagactgtg 240

tcttcaatgt ttggtggaaa gctcgatatc ctcataaaca atttgggagc gattcggtca 300

aaaccaacgc tggattacac agcagaagat ttctcgtttc atatttcgac aaacttagaa 360

tctgcttatc atctgagcca gcttgcgcat ctctgcttaa ggcttcagga tgtgggaaca 420

taatttca 428

<210> 14394
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-112-Q1-E1-C12

<400> 14394

tctgtctgtc tttctctctc agagaaatgg ctcttcttct agtttcttct tcctcctcct 60

atgccctcag agtcaccatt ttcttgtctt tcttcttctt tctctgcaat ggcttctctt 120

accctactac ttcttctctt ttcaacaccc atcaccatcg tcaccacttg gccaagcaca 180

actacaaaga tgctctcact aaatcaatcc tcttctttga aggccaaagg tcagggaaac 240

ttccttctaa ccagagaatg agttggagaa gagactctgg tctctctgat ggctctgctc 300

ttcatgtgga tttggttgga gggtactatg atgcaggaga caatatcaaa tttggtttcc 360

caatggcatt cacaaccaca atgctttcat ggagtgtaat tgaattcggt ggactcatga 420

aatctga 427

<210> 14395
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-C2

<400> 14395

nnnnnnnngn aangtttatt cngccaggcc acggtcaagc cancccgggn cgacccacgc 60

gtccncccac gcgtccgcaa agctcagtgt ttaataattg tatagctttt ttggtgaacg 120

aagagtcaga tcggcgagcc tgagatgggt tggggttcgg tgttgctatt actggcggtg 180

gctcttcttt gtcagagggc aagttcaatc ggagctaact ggggcacaca ggcgtcgcac 240

ccacttccac cggacatagt tgtgcggatg ctaagagaga atggtattca gaaagtaaag 300

ctctttgacg ccgaatacga cactctcaga gctttgggca aatccggaat cgaagtcatg 360

gttggtattc ccaatgagat gcttgcgact ctcgcctcta gcctgaaagc tgctgagaaa 420

tgggttgcta aaaatgtctc tactcacatc tccaccgaca acgtcaacat cagatatgtt 480

ggctgttggg aatgaacc 498

<210> 14396
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-G7

<400> 14396

cagccgccgt cccaattgct ttgccgccac cgaagcaaag agtagagaga taatggctga 60

ggaagaagct aagggtttgg attacatacc ggagatagta ctgaagaaga ggaagaacag 120

agatgagctt gcctttatca ggaagaagca acttgagttg ggtaattccg gcaagaagaa 180

gaagaaagtc tctgatatca aacgtcctga agattttgtt catgagttca gggctaagga 240

agtagatatg atccggatga agcaaaagag taaagaggcc aaagtcatct cctccaccag 300

ttaaatctga cctggttttc atcatacgca ttcaaaggca aagaaatgat atgcaccaaa 360

ngaccaagag gatcctaaca atttgcaact aaaganctct ttactggtgt att 413

<210> 14397
<211> 104
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-F2

<400> 14397

nancagcaaa ccgttggttc aattgagaaa ggtggaaaca atgttnaagt tctaaaaagg 60

agttantggc tgggattctg ggaccgggac tcaagggatc tanc 104

<210> 14398
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-F3

<400> 14398

tactgagaac gaatttgaga aaaaactgtt gtcggatgtc attccaccta gcgatatagg 60

tgtttccttt gatgatattg gagctctgga aaatgtgaaa gaaacgttga aggagttggt 120

gatgcttcct cttcagagac cggaattgtt tgacaaaggc cagctcacaa agcctacgaa 180

aggtatactg ttgtttggac ctcctgggta ctggaaagac gatgctggca aaagcagtag 240

caactgangc tggcgcaaat ttcatcaata tctcaatgtc cagcattact tcgaagtggt 300

ttggtgaggg agagaagtac gttaaagctg tcttctcctt agcgagcaag attgcgccaa 360

gtgtcatttt tgttgatgag gttgatanca tgtttgggta gacttaaaat ccaggggaac 420

atgaanctat gc 432

<210> 14399
<211> 427

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-F5

<400> 14399

tttacttcat tctctgtgaa actatactgc atataagctt actgggtttt tcttggataa 60

gatttcaatt tcgaaaaatg cagctttagc aataagataa ttcataggag ttttgaggct 120

agatttgttc tttcaatctg aagtttcttt ctttttgttt gtctgaaatg agcagtgaca 180

gctttggttg ctgtgaagaa tgaattgaat gatccgtaca aagttcttga gaattgggat 240

gtgaattcag ttgatccttg tagctggaga atggtttctt gcactgatgg ctatgtctct 300

tcactggatc ttcctagcca aagcttgtct ggtacattgt ctcctagaat cggaaacctc 360

acctatttac aatcagtggg tgttgcaaaa caatgcaatc actggncaan tccgggaaac 420

gattggg 427

<210> 14400
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-108-Q1-E1-F7

<400> 14400

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gtatcgaatt ttgaattttg tatctcgcta cactgttcga ttgagaattc ttttttttccg 180

attgattcga atcggatttt gtttttttcc tcgatataga atgacttcga atcaacgtat 240

gttgttctac tcctgcattg cgaaaggaac agtgattctc gcagaattcg cttcaaagga 300

agagccagga atcgaagatc tagctttgag atgcattgag aacgtactcc acatcattcg 360

atgatctctc acacagtcca taagagaact acgctttgga ttatcga 407

<210> 14401
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-108-Q1-E1-G1

<400> 14401

aagaagagta gacttcccat catcctccgc tataatgcgc cactctccgc gttatctata 60

atacgctagt attccgtgcc cgctataatg cgcaagtctc cgtctcagcc tctcttcgcc 120

gtctgatgtc tgatcttcta ggtcacctcc acaaattcga acaagaattt gtctttatgt 180

gcaaaaccaa aatgggagtc aatgcttcag agccaaaacg aacacgatcg cgaccaagtc 240

aatcgcaggg gaggcatccg tcgacgaaga cgatctccgt caacgagcaa caccggcaca 300

acaacaacca cgacgacatc gaattctaac aaaactggtg cctcctcttc ctcctccggt 360

gcgggcttct tcctcaagtc gctagtcgaa catctctcgc tagtctccgg aaatccctta 420

cgggaaatcc tcacatg 437

<210> 14402
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-G10

<400> 14402

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tgaaatcgaa gaaacagcac caatttccac ttcaccaccg aaagagagag acagagagga 120

taataaaagg ccgccatgga tttagatcaa tggatttcca aggttaaaga cggccaacat 180

ctctctgagg acgagcttca acttctctgc gaatacgtga aagaaattct tattgaggaa 240

tcaaatgtac aacctgtcaa cagtcctgtc accgtctgtg gtgatatcca tggccagttt 300

catgatctta tgaaactttt ccagaccgga ngtcatgttc ccgagaccaa ttacatattt 360

atgggggatt ttcgttgata ganggtacaa cagtcctgaa gtttcaccaa tcctttgctt 420

cctaaagcaa g 431

<210> 14403
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-108-Q1-E1-G11

<400> 14403

gnnngnaant gttacgcctg ccttttaccg ggccnagaat tcccggaatc gacccacgcc 60

tccgcccacg cgtcnaagcc cacgcgtccg gnaganacac antnaaatgg cgacggtaca 120

attgtccacc cantttagct gccanaccag agtttcaatc tcaccgaact ctaaatctat 180

ctccaancct ccgtttctgg taccggtgac ctcaattatt caccgcccga tgatctccac 240

cggaggaatc gctgtttccc cccgtagagt tttcaaagtc cgagccacag atacnggaga 300

gatatgatca gctctattgg cggcggagga agcaattgaa gacgtggaag agacggagcg 360

gctaaagaga tcgctcgtgg attcgttgta cggaacannt cgaggtttaa gcgcatcgag 420

cganaccana gctgaaatcg gagatctaat cacacagctc gagtctaaga acctactcca 480

gctccgacgg gaagctcttt tccttc 506

<210> 14404
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-G12

<400> 14404

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aacagactct aaattgcaca tgtccnagta actacaagan atgtcaaact gtccaannac 120

gcnactcctt ttaacgggcg ttgccccatc caccaccgtg cgagttacaa tcntccaatc 180

ctccaccgtc tataacgana ctcctgccan tatanacana gcggagnagt atattgtggn 240

ggcggcaagc aagggagcat anctagtgtt gttcccggag gggtttatcg gtggctatcc 300

tcgaggtttt aggttcggtt tagcggttgg cgttcataac naanaagggc gtgatgagtt 360

tcggaagtac catgcttctg ctattcatgt tcctggccct gaagtagcaa gattggctga 420

cgtggctang aaaaaccatg tgtacttggt aatgggagcc atanagaagg aanggtatac 480

ctctactgca caattctttc tttngcc 507

<210> 14405
<211> 440

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-G2

<400> 14405

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ttatttatag ttggaggtta tttgttctct ttgaatcacg cacgggtggt ggttcttatg 120

gcgacaatgt atgcaatgta ctgtgtcaaa gtcagacttg gatggcctgg agttattctc 180

tcgatgaatc ttgcattctt gtccaacgat atatttattt gtcttcttca atggtgtgat 240

actgttagtg aaaaaacaca ngtggaggag ccaacnaaac ctgaaactgt aatagacgaa 300

gagtttccag gagagtttga gtattcttct gttcctgctg aagaagcaga gaaaaagttc 360

atgaagataa gtcgtccact aagccaacat catcgtcaac tgttgtcaat aacatgaaag 420

ggnattcnac cggtaaaggg 440

<210> 14406
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-G3

<400> 14406

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gcagaggaag atgattgtgt ttcccaccaa gaatgaattg tccgaagcaa tggctgagta 120

cactgccaat ctctccgcca agttcatcaa agagaaaggc ttttcaccgt tgttctctcc 180

ggcggtgacc taatcgattg gctctgcaag ttggtgcaac ctccttatat tgattcaatc 240

gaatggccaa aatggcacgt cttttgggtc gatgagaggg tttgtgcatg ggaagattca 300

agacagtaac tacaaactcg ccatggaggg ttttctctct aaggttccga ttccggataa 360

gaacatctac gcaatcgaca agcacttggc ggctgatggt aacgccgaac actgcgcgan 420

gctctacnan g 431

<210> 14407
<211> 404

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-G4

<400> 14407

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tgaggcttca gattcgggac taattttcat tgaaggctct ggaccaacat atgccacttc 120

aacgacattc caagattcac ttatcgcagc aggagccgga atggctttag ttgattcagt 180

gatcgcagca tccagaaaca gcgtagatcc acccattggt tttgcattga taagacctcc 240

tgggcaccac gccgtgccaa aaggtccgat ggggttctgt gtttttggta atgtggcaat 300

cgcagctcgt catgcccaac gcacacatgg tctgaaacgc atcctcataa ttgactcgat 360

gttcaacacn ggnaatngna caaatgangc atttaccggn ggac 404

<210> 14408
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-G5

<400> 14408

tctgcaactc aaaaaataag attgtgaaaa accctaatcg taatctctcg gttgagtcag 60

tcttaaggta tcaatgggga aaaacaagag agagaggaaa gatggagaag agaaatctcc 120

acacgctgcc gccactgttt gcgtctctgg cttgccttat tccatcacca acgcacagct 180

tgaagaagcc tttagtgaag ttggcccagt caggcgttgc tttctgggtc acaaataaag 240

ggtctgatga acaccgcggc tttgcgtttg ttaaatttgc tttacaagaa gatgttaatc 300

gtgccattga gttgaagaac ggttctactg ttgggggccg tatgattact gttaaacaag 360

ctgcacatcg aacttctcct caaagagcgt cgaacaaaag caactgaaag ggattcccgt 420

acccggataa atnc 434

<210> 14409
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-G7

<400> 14409

gtganngaga acatttcata tacagttgtt tctaataaga aaaaggagat tagcganaac 60

tcaaaacagg aacaaagtta aaagagtgag agagaaagaa agagagaaga tgaaggtaca 120

ggagggtttg ttcgtggtgg ctgttttcta ccttgcttat acgcagctag tcaaggggca 180

acctcgcaag gagtgccaaa ctagatgtgg caatgtcgca gttgagtacc cttttggtac 240

ttctccaggt tgttactatc ccggagatga aagtttcaat cttacttgca acgaagcaag 300

agaagctctt ctttggcaac atgccagtca tcancatgtc tctcagcggg cagcttcgtg 360

ttcggctagt taagatncaa cagttttgcn ccaannngtc aanggaaacn gccnggactn 420

acattgcc 428

<210> 14410
<211> 331
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-G8

<400> 14410

ggnnnnnnng naangtttat tagccgccgg taccgaacaa aattcncggg tcgacccacg 60

cgtccgcgga cgcgtgggat cgttgcttac tacatcttgg ctacttccag caatggatac 120

gacccaagct tctttggatg attcgtttca atgtcaatct ctcgtatatg tatatgtata 180

tgtttgactt gtgttgcaag ctatctaatc tgttctctat ctctgtttct tcttctgttg 240

ttgttgttgt tgtctaagac ttgtccctct ttttgcaaat gttttatttc tccatttaca 300

aaaaaaaaaa aaaaaaaaaa aaaaagggcg g 331

<210> 14411
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-G9

<400> 14411

atggaggtgt tatctacttc ctcacctcta acgcttcact cccaccgact cctctctgct 60

tcttcttctt cttcacatgt cacctccatc gccgcttctt cactttcttc attcgcttct 120

tcatatctcg gaatctccct ttctaaccgc acgatccacc gcttctccac aactccgacg 180

anncttaaga cgatttcctc aaagaaaacg gaagaaattc actccgattt caagcggttt 240

tcgaacggtt caccgaacga gcgatcagag ctataatctt ctctcagaag gaagctaaat 300

cgttgggaaa agatatggtt tacacgcagc atcttctctt agggtttgat cgctgangga 360

tcgtgatcct caaggcttcc ttgggattcc gggtatcanc atcgacaagg ctcgtgaagc 420

ntttgggg 428

<210> 14412
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-F12

<400> 14412

nnnngnaant gttacgcctg ccttttaccg ggcccnagaa ttcccggaat cgacccacgc 60

ctccgcacgt ggcgngggga ttccaagaaa caaacgatgg naaaaaggat aaagactttt 120

ccaacaacng gcgggtgacg gcgtcctgat tcccgtccna taacacttgg caaatgtana 180

gttatgtact attggttcaa aaagattcaa gcttctgctg gacccggttc tgaaatgggt 240

gggtttactc ggatcttgca ttccggtaaa ccggatcagt atatggatga gattcctact 300

tttgttgctc agcctttacc ttctgggatg gatcagggtt atgttgtgtt gaataggcca 360

tgggcatttg tacaatggct tcaacaaaca gatataaaag aagattatat tttgatgtct 420

gagcctgatc atatcattgt taaacctata ccaaatttgg ctaaagatgg gcttggagct 480

gcgtttccct tcctttacat tgaaccgaaa aaagtat 517

<210> 14413
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-108-Q1-E1-C7

<400> 14413

acaaacccaa gatctgaaaa agtttttgtc ttttctctcc caatcgcctg attcaagcct 60

aaagctcggt ttttttcttc tgggtattta ggggttaagt gtattgtaga aaagcatggc 120

gagtttgagt gggagttgga gagatgcgta taaaggaatg tcatcggata atataaaggg 180

tttagtattg gctttatctt caagcttatt cattggtgct agtttcattg ttaagaagaa 240

aggtctcaag agagctggtg cttctggtct cagagcaggt tctggaggtt attcttacct 300

gcttgagcct ctctggtggg taggcatgat aacgagtgag ttcccttcat atttaaagtg 360

attgtagggg aaattgccaa ttttgctgct taagcctttg cnnctgcaat ttaataactc 420

ccc 423

<210> 14414
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-D1

<400> 14414

tagtttcttc ttgcttttga gaaaaaataa ttatatattt ttatatagga aagggttaat 60

ttattaataa aaaaaaaata aaaagaagca gaaaagagat aatgcagggt ggtaggcttt 120

tgacggtgtt ggtgtgcctc gcctccacgg tggcgttggt gagcgccggt gacccttact 180

tctactacac gtggaacgta acctacggaa ccgccgcgcc tctcggaatt cctcaacagg 240

tgattctcat caacggacag ttccctggtc ctaacctaaa ctcaacctcc aacaacaatg 300

tcgtcatcaa tgtcttcaac aacctcgacg agcctttcct cttgacctgg agtggactcc 360

aagcacanga agaactcatg gcaagatggt gtgactggga cctcatgcca atcccaagca 420

ngcacaaact 430

<210> 14415
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-108-Q1-E1-D11

<400> 14415

nnnggaantg tttacgccng ccttntaccg ggcccaaaaa ttcccgaatc gacccacggc 60

ctccgggatc accatnactt ttgtaccttc cttgtactac ctatggcgtc tgctagcttc 120

gttaagccta acaccctctc ttctccatgg atnggncaac gctcctttgc tcacacctct 180

gcttcttctt ctcctcctcc tcgagtctcc ttcgcgatnc gcgccggtgc ttactccgac 240

gagcttgtta aaaccgccaa aagcattgca tcccctggga gaggtatctt ggcgatcgat 300

gagtccaatg caacctgtgg gaagaggctt gcttctatcg gcttggataa caccgaggac 360

aaccgtcagg cctacaggca acttctgctt accactcctg gcctcggcga ttacatctct 420

ggttccattc tcttcgagga gactctttac caagtccacc aaaggacngt aagacctttg 480

tcgattgctt gcgcgatgcc aaaatc 506

<210> 14416
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-D12

<400> 14416

nnnggaantg tttacgccng ccctttaccg ggccaaaaaa ttcccgnagt cgacccacgc 60

ntccgcccac gcgtnacgcg ggacgcgtgg gtgccactgt acatgctgtt gtggaaagtc 120

aaggtttgaa tgataaagtg gtagtcttca agtacaagcc taagaagaag taccgtagaa 180

atatcggtca cagacagccg aatacgagga ttaggattac cggaatcnca gggtatgaag 240

aagtaccaac ctcgcccaat gttgcagttg gagaagtaaa tccttgacac aaaaatgttt 300

cttgaatgtt aaaatttttc tgatcttctc tatgtaattt tgtaaggacc ctggtcattt 360

catttctgct gagattcctt ttattaatat gtacctttg ccaaaaaaaa aaaaaaaaaa 420

agggcgg 427

<210> 14417
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-D3

<400> 14417

ctgtttattc cngccgccac cggtccaaaa atcccgggnc ngaccaacgc gtccgcatta 60

atanaaaaga agagaaaaat aaaaaagttt gtgtaaattt tttttgcaca ctccacaagc 120

ctaaacccaa cccaaaatca caaaaaccaa aaaaatatat aataatgggt ggctgtgcga 180

gtagacccaa ggaatcagac atgcaaaacg aagaaggctc tgttcctaac aagcctgtct 240

ctgaaaacgt agtagccaag gagaacaaca cagaaagcgg tgagaaacag aaccagacag 300

tggctgagac cactgaaaca acttctgtcg aagctaagga gacatttccg gtcgagccga 360

ccaaggaaac aactcctgct gttcaaccag aggttgcagc cgtcgaagag tcttcttctg 420

ctgatgctgg tgangctgca gtagttgcac ctgagaaagt tggagaacgc tgcaacagaa 480

aacgctgaag 490

<210> 14418
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-D6

<400> 14418

ccaaaaaaaa ctcttctttt ttctatcttt cacgcgttga agattcttga ttttctttct 60

tctccttcct tacacgacca ctgatatgtg tcggtgactg aaaccatctg ttctcttttg 120

cctctgattt atcgatatgt tttaaagaaa aacggtgttt gaaacttttg taatttaagg 180

ttcatcaaat actcagatct tgtctgagaa attaagctga aatctgataa atgggtttgt 240

ttaaattcat cttcttgtta tctcttctat ggagtttcta cagtttaggc tcatctcagc 300

tacaagcttc acaagcacaa gttcttcttc agctgaaaaa acacttaaga atatccacaa 360

caagctaaga atcctgggaa tgattacang aaccaaattt cggcaactta caagcaanac 420

caatcgatgn ag 432

<210> 14419
<211> 419

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-D8

<400> 14419

ctctccgccc atctctgctc tcttttattt tcccagaaag ttttttttt ttttttccga 60

attccgttaa tctcattggg gtttccattg atagcaatgg cgacggcttt cgctcccact 120

aagctcactg ccacggttcc tctgcatgga tcccatgaga atcgtctctt gctcccgatc 180

cgattggctc ctccttcttc tttcctcgga tccacccgtt ccctctccct tcgcagactc 240

aatcactcca acgccacccg tcgatctccc gtcgtctctg tccaggaagt tgtcaaggag 300

aagcaatcca ccaataatac cagcctgttg ataaccaaag aggaaggatt ggagttgtat 360

gaagatatga tactaggtaa attcttcgaa nacaagtggt gcccaaagta ntaccgggg 419

<210> 14420
<211> 668
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-D9

<400> 14420

gnnnnnggcc cngttcctan angnccgggg cnnctaanaa anatttcccc ccggngnaan 60

aaacccnann ccccaaaggg gcccctnccn gggggacgga aacngggggc ccaaaagggg 120

gnnaaaaccc cctttttttt caaaggaagg tcctccaacc ttttccggtt cctaaacctt 180

ttccccgggg tttttccccg gcccggcccc ggtngaacca atggtccggc ctccggaatt 240

tccggaattt ccccccccggt tttnaaaagg aacccccggg gtttccctcc aacaaccttt 300

acctggaaac ccggttnang cctggttata aatttngccc ttacttnctt ccttccctcc 360

ctcctttggt ccgaacaaaa aagccggggt tgggttattg ggggtcttgg gtggagaaag 420

aaaaaagaaa agtgggattt accgggagat agtgggcatc tgggtgaccc gggttctgca 480

cgagaaggcc gagaagttga cccgggagaa atcgggtcgg agcgtattca gaagataatt 540

gatgatatga ttaaaagtta tgagattggg ctcctggagt tggnctcgct gctcctcaaa 600

ttggtgttcc cttaaggatt attgtattgg gaagatacaa aagagtatat aagttacgca 660

ccaaaang 668

<210> 14421
<211> 283
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-E10

<400> 14421

cccaanctcc ttncaacaaa atnnacagga acaaaccncc aaanaaagct ncttgaaaan 60

attcaatggn ggattggctc ttcnaacttc ggttctaagc agtgcaacag ctcctgctaa 120

atccctgacg tacgaggaag ctctgcaaca atctatgacc acttcttcat cttttgattc 180

ggatggtctg attgaaggga tatccaattt tgtcacagac aatcctttgg ntaatgccgg 240

tggagttgct gcantggctg ttncaattgt tccgtccaag gtc 283

<210> 14422
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-E12

<400> 14422

nngnaangtt agcagctnta cgggcagaat ccgaatcgac cacgcnccgg agacaaagct 60

cnagaagcac tgatccatgg acttcgtgga aactganaaa atccgacaac ggtcctcaga 120

ggcncaantc aaaacttttc tctctgggtc ctacttctac ttgggacaac tgagtacgat 180

cttatcttaa attcacggcg aagattagaa taaagaatta ctttcttaac taaaatcaag 240

cagaagatgc tagttgcagt gtctctcctt ctcactccgt ccaaatcgga nacaatcttg 300

ncacggtcac tcgtcggcan tnctcctgct ctcgtcgact catctncgcn ctacctctcn 360

cacgncaagt ctggatntct ttcccagaaa catgtcnctc aataaacgg 409

<210> 14423
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-E3

<400> 14423

aacactatta tagaagctct tacaaagaaa aaatatgaag aaagctacgg cattgatgaa 60

acatatcgtt gcattgttga gttccatggc gaaggcaaaa tctatagcca taaagaacaa 120

aacgagtgct ttcaagacac gagtactcat gttgtctcta gtgaaacaca agaaactcgg 180

gttccgttcc atttccaaca agattcacca cctcttgggc catgcggatc aagacgacga 240

taacgaccag gaccaagaca agaacaaggc tatagtcctc tacaacagca aggcatccac 300

aatggctcat catgaggaat atgacgttca cgaggaggaa agcgacaagt atcctgatct 360

gaggcacacg ttgttcgaag gagaaganga cttcgggggа cttggaggaa ggaaggtcaa 420

ggtaattctg tt 432

<210> 14424
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-E5

<400> 14424

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aggcgaatga atctctagag aagctatcgg aatcggtgaa tgcaatgatg acggagtttc 120

aatcgtcgat tacgaaggaa tcgtcgaaat cggcgatttc tggcggcgga gttcatcagc 180

tcacgaggta tgtgatgaac ttcatcgtct tcctcgcagg actacagcga ttctctcgcc 240

accattctca aggagtcatc gntaccttta ccggaggatt acttcagtag caacggcgan 300

nagaatccan gatccggtga tcgttctccg atggcgggng agactcgcct gggttgattc 360

acgncgtgct ctgtanagat ccaacggccn aatctcncgg gnnagcnaan aantncgggn 420

ggggatcgag aggcntcctt ngcgg 445

<210> 14425
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-E9

<400> 14425

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ttacactgta atactgaact taactagcta tttacttatg gaataacggt tcagtatatt 120

aatgcaactc ggttcgtgat tttaggtacc tgtatatatc gctgagatag ctccacaaaa 180

tatgagagga ggattgggtt cggttaacca actttctgtg acaattggna taaagttggg 240

cgtaattact tgggcctcct tggtnccatg gagaaatccc tgcanttccg ggggaaaaat 300

gccgtgtaca attaaatggg taaccaaggt ccccctttt caanccccg gaaatccccc 360

tcccctgggg ctngggnaaa aaatngggta atggnccaan attnnaantt ttgaaaanct 420

tcaaattaaa agntcctccc aagggatttt ggaaacggga anttaaccgn tttaaant 478

<210> 14426
<211> 212
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-F10

<400> 14426

cnaaggnaaa anttcaanct ccaattgacc ccgccaattg accaaattgg aaaaaaaacc 60

aaancccccc ccttggccat atgcnagaaa gttctgtctc ttgatgggag cacttgcaat 120

gaanctttga agttgtttac agaaaccaaa cgaattttgt cancaagcat gtctaacatt 180

ggaagtggaa cnccggaaga agtanagagg tc 212

<210> 14427
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-C5

<400> 14427

ngttattnng gcngccnnng nnggacanaa cattcccggg gccgacccac gcgtccagat 60

tgacaagata aaatgtgaga acctagcgaa aagactactt tcgttaatgc tgaaactagc 120

tgcagttttt cgttatactc cgcttgagct tctgagaagc cagactacag tcagcccttc 180

aagtctaaca gaagatgaca gtcggtgcag cctcatctca ccacctccta gagagcccac 240

aatgaaagac cggattcttc catgtttgga acgtattcag aaactggaga aaagttatga 300

ggatattcgg aacaaacccg ttgcaatacc tgtagagaag gagagaatgt tgatggattc 360

tttagataga atcaagtcag ttgagtttga tctcgacaaa acaaagaggc ttttacacgc 420

cacggtgatg aaacaagatg gagataactg aaatgctgca aaatatacga ngactcccca 480

acttcana 488

<210> 14428
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-B11

<400> 14428

nnngnantgt tagcgcctcn acgccgntca ntactggtcg naccgaccca cgcnnccgng 60

aagagagtga gtagagttat atattacaca cataaaactt agatatagta gtgttatatt 120

cttgattaag taataaagat gaaaggtggg aagcatggag aaaattaagc cgatattggc 180

gataatttca ctgcaatttg ggtatgcagg catgtacatc atcaccatgg tctcgttcaa 240

acatggcatg gaccattggg ttcttgctac ataccgtcat gtcgtagcca cggttgtcat 300

ggctcccttt gctctcatgt tcgagaggaa aattaggccc aagatgacac tagcaatatt 360

ctgggaggct tcttgctctt ggaatattag agcccctcat ggaccagaat ttgtactaca 420

tangattgaa aaacacatca gcatcctnca cttctgcctt taacaatgca cttccgccgt 480

caccttcatt cccgcctcat t 501

<210> 14429
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-B2

<400> 14429

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tcgactggat tctagaggaa gctgtcagat ccaaaatcac taaggatcag gatgatgatg 120

atgatgatgg atcgtcgtcg tcgtcgtaca tcgttttatc cggcggagga ggagaaggac 180

gaagtggaat acctaatgtc atcttaatct gtcgtgttga tctccacacc aattctctct 240

ctgaacaacc tattggtagg cgtgtgattg gcactgatct accttatcgt atggctattc 300

atcctcgtca aggtggtcct atttgtgcat tgcctaacag ttgcanactg tttgattggg 360

aaaacattat agaggatgat aatgangaag agtcanagaa agttgttaaa agagttaaaa 420

agatttgggg 430

<210> 14430
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-B3

<400> 14430

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tgtccccggt ctgaccggct cacttatcgc cgccaatgaa gtatgcctgt tctagtaccg 120

atatacactt tactcgtgcc aatttcccta aaggtttcat ttttgggtac cgcaactgct 180

gcttttcagg ttgaaggagc tgtaaatgaa ngatgtagag gtccaagcat gtgggacgta 240

tacaccaaga aattcccaca taaatgtaat tatcacaatg ccgacgttgc tgtcgatttc 300

taccatcgtt acaaggaaga tatcaagttg atgaaaaatc tgaacactga tggctttaga 360

ttttccattg catggcccag aatattcccc catggtaaga tgganaaaag ggataagcaa 420

agcaag 426

<210> 14431
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-B4

<400> 14431

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gaatccgctt ggggttttgg cgaggcaact tggtttgcct cttcataagg ttagagatat 120

ttgtcctttg tatcttccca atggagagct tgctgatgct agtgttgatt ctaagattga 180

ggcatcgttt aataagttgt tggatagagt ttgtaagctt agacagtcga tgatanagga 240

gaataaatca gttgatgtgc ctttgggaaa agcgcttgaa acatttcgat tggtttaagg 300

ggttgctgag gatcagcaag agagaatgct cttagattgg catttaacaa acttgggata 360

tgcaaatgct acattgtttg gggaatctgt caaanggcgt antgggntna agaatg 416

<210> 14432
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-B5

<400> 14432

gttcaacttc aatgactacc ccaatggaat ggtcacactc ttcaatctgc tagttatggg 60

taactggcaa gtatggatgg agagctacaa agatttgacg ggcacgtggt ggagcattac 120

atatttcgtc agtttctatg tcatcactat tttacttctg ttgaatttgg ttgttgcctt 180

tgtcttggag gcgttcttta ctgagctgga tcttgaagaa gaagaaaaat gtcaaggaca 240

ggattctcaa gaaaaaagaa acaggcgtcg atctgcangg tcgaaagtct ccggagtcaa 300

gagagttgat acacttcttc atcacatgtt ggggtgatga actcaagcan accangagtg 360

ttccacttct gacacatang ncaaganaag atcgntaaga gcttatttag acgtttaaan 420

ctgtgaatc 429

<210> 14433
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-B7

<400> 14433

taaatcaatc aacaaaacaa aaaaaactct atagttagtt tctctgaaaa tgtacggaca 60

gtgcaatata gaatccgact acgctttgtt ggagtcgata acacgtcact tgctaggagg 120

aggaggagag aacgagctgc gactcaatga gtcaacaccg agttcgtgtt tcacagagag 180

ttggggaggt ttgccattga aagagaatga ttcagaggac atgttggtgt acggactcct 240

caaagatgcc ttccattttg acacgtcatc atcggacttg agctgtcttt ttgattttcc 300

ggcggttaaa gtcnagccaa ctgagaactt tacggcgatn gaggagaaac caaagaaagc 360

gataccggtt acgggnacng nantgaaggc gaaacatnca nanggantga ggcaaaaacc 420

ctggggg 427

<210> 14434
<211> 682
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-B9

<400> 14434

gnnannnnng ntttttangg cnnggggccc cgtcttaacg ngcggggcnc naanaatatt 60

tccgccgcgn naanccgann tcccaancgg gcgcctcccg gatacggaac cttaattnca 120

caanagggaa tttccccttt ccaaaatcct ttcccctcct ggggtttccg gaatgggttt 180

aagnaatggg gtcccggggt ttttggaatn ccctccaaaa tccccggccc cggcctccaa 240

tttttccttc cggggtggtt ttaaccggaa cggggnccca atggggcggg gtttcctcca 300

aggggtaanc cgaaactaat tggttgagaa gaaggggatg catttggggc tttgggcggg 360

gaggggaaga ataagctaaa gggggaaaac ccgatgcctc ctggccgaat gggtggataa 420

cgttgggctg ggagaaagtt gggaaagaaa gctccntttc aaactccgtt ccctganaag 480

tttgactccg ggagaattga gtcagttgcg ccgggagacg gttggggtca acgtcggtgg 540

gttgccgttg ttttcccgtc tcacatcttc gtcgctaact gcggtgactc tagagccgtt 600

ctttgccgcg gnaaaactgc acttccatta tccgttgacc ataaaccggg atagagaaga 660

tgaanctgcg aaggattgaa nc 682

<210> 14435
<211> 422

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-C1

<400> 14435

gagagagaga gacacacaca cagcgagtga aaatgtctcc ggagaagaag agtcaaaact 60

tccctccaat aacggaatgc agagacggag agtacgattc gatagccgcc gatcttgacg 120

ggactctgct tctctcaaga agctccttcc cttacttcat gctcgtcgct gttgaagctg 180

gaagcctttt acgtggacta atcctccttc tctcgttacc attcgtcatt atctcttacc 240

tattcgtatc cgaatctctt ggtatccaga tcctcatctt catctcattc gctggtctca 300

aaatccgcga tatcgaactt gtctctcgcg cagttcttcc acggttttac gcggcggatg 360

tgaggaaaga cagttttgag gtgtttgata agtgtaagag aaaagtgggt agtgacnggg 420

aa 422

<210> 14436
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-C10

<400> 14436

ttcttcnatt anccgccatg gtgaagtact cncaagaacc cgacaatcag accaagtcnt 60

gcnagggtaa aagatncgat nttaaggntc acttcaagaa tactanggaa acaacgcacg 120

caatcangga agctaccatt gatnaagggc aaanagggta cctttgangg atggtgaata 180

agctcaacaa agcaaagcaa tttcccttca acaacgtttt cctngcaaga anggtgtttt 240

gggaagaaac tggctcaaag cctaaagaaa caaggcaact cctaaatggg tccaanggaa 300

cgtttgggcc aagcccaaag ttctggctca agttttggtt ccttganttt gctcaaagaa 360

acgcctgaag aagcaaattg cttgaanggt tgaaaaggtt tgggatgttt gaattgccct 420

ccttcaatat cacaacatcc caaagtnaaa ccaaggccgc aaaagcaaaa gggagaaagg 480

actttaccgt gcctcacngg aaagaatcaa acccnttaca 520

<210> 14437
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-C11

<400> 14437

nnngnagtgt tacgccngcc tttaccgggc caagaattcc cggaaacgac ccacggnccc 60

cgagattant ctcactgtga agtcgaagaa cgaaacccta gttcccatgg atctctcttc 120

acgcttctca tngatcctta tccttctctt gatctccatc tccatagctt cggctgagat 180

tcgtaaatca gagatccgat ccgatgatcg tccaatcatc cctttagacg aattcggttt 240

cactcacagc ggtcgtcttg agcttgacgc ttccaagatc tggctttcca acagcaatcc 300

cgatctcgat ctctccaaag tgggcttctt tctctgcact agagacgctt gggttcatgt 360

gatccaacag cttgaagaag aagagatcac gtgcgctcta caatcagatc tcgttaagca 420

tgtgttcacc ttcaacaatc tcaagggagg agataagagc agattctcna ccgtattcac 480

cgaagaacga tgcggatcag tact 504

<210> 14438
<211> 356
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-C12

<400> 14438

cgncttcgtg naatgaaacc tagagagcgt gaggggagag aagaagaagt ctgggaaccg 60

ggtttggggt tgcnacnctn gttnaagggg taaagannaa ttcacctccg tgaatgaaaa 120

cctaaagaan gtgagggaga aactgtagaa gtttttcggg tgttgaaatg attgctggtt 180

tttaataagg tctcaaaagt tactatgttt tcagatgttc ttaacttgtt atgaaaagta 240

aaatcgtcaa aagttgaata aagtgggtac tttgttttag tcgtgcaaaa aaaaaaaaaa 300

aanaaaanaan nacaaaaaaa aaaaanaaaa aaanacaaaa gcanaaaaaa ncaaat 356

<210> 14439
<211> 430

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-C3

<400> 14439

atcttctaca tctcttccca tctgtctctc atagatccat ccaatgggct tccttcgtgg 60

aatctggttg ggnagtacct tgtgacacat tttagcgact ttcaactggc atgtattggg 120

agttttctcc tccatgaaag cgtgtttttc ttatctggac tccctttcat ttttcttgaa 180

aaggcaaggc tttctcagca agtacaaaat tcaggtttat tctcttctta ttatttatct 240

tttacaagtg tcttctatgt atgcaatcat agctttgtgt gatggtttga atatgatagt 300

ctagaggttg atccccaaga attcagtctc acgtgaaaag tgttttctta tgacaggctg 360

atgtccattt caagcgatta ctaataattg tgaatatgan ccttttccaa ggctccccta 420

acccttaag 430

<210> 14440
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-C4

<400> 14440

tcgctcggaa cttggaaagc agcgtaatcg gtagggagtg atttgagttt tggtgaggat 60

gtctatggtt gatgagcctt tatacccgat tgctgtgctt atcgacgagc taaaaaacga 120

tgatattcag cgtagattga actctattaa acggctttct atcattgctc gtgctcttgg 180

agaggagagg acaagaaaag agttgattcc atttcttagt gagaacaatg acgatgacga 240

tgaggtgctt ttggctatgg cggaagagtt ggggggtttt attctgtatg tangaggggt 300

tgagtatgca tatgttctgc ttccaccttt ggagactcta tccactgttg aggaaacttg 360

cgtganggaa aaagctgtgg attcactttg tagaantggt gctcaagata aggganantg 420

accttggttg acca 434

<210> 14441
<211> 510

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-B10

<400> 14441

nnnggaactt ctacgccgnc ctgtaccggn cccaaaaatt cccgnagtcn acccacgcnt 60

ccgancacgc gtccgctaac ctttaacggt tttcccatct tctctactcc tctttctctt 120

ttctganaaa cccaaaagac aaaaacnaag aanaagatta ggaaatcatc ttgagaaaca 180

agaggtanca agagaatatg ggggacaaag naaaagtcct tganggtgtt ttgaaaaaaa 240

ctgtggattc ggagaatgtn cccaatggaa aaatttttg agaagccgga gaatttacca 300

gaaaaaggtc tcactacaga aanctgctga tgaaaggctg ggctcctttt tggggcataa 360

caagctcgaa agagaagaag gaaagcaaat tcctgaaant tcntggttca tgtggaaccc 420

tccttcttgg gttatggnag ctgctgctat catggctatt gctcctgcta atggangaag 480

gaaaccacct gantggcaag acttgttggt 510

<210> 14442
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-G11

<400> 14442

gctcaggacg ccaccggtaa gtctggtggc tctcttcgga tacgcggagc tacacgcgtc 60

cattactaag tatctccact cccagcagcc tcccatcaac gctctggcct tccccgactt 120

ctctcaaatc tctctcctcc ttgctcatga tgatcagatc agccgaacct cctccttcag 180

agatcctctc agcgtctccg attctgcttc tcccattcct tccagatgcg gcggtatttt 240

gaaacgggac tggttgctta agcatcgcac caaggtccct gcacttgtcg ccgccttctt 300

tccctcacat cacatcttcn gggattcaac tcaaatgggt aacaaggtct gctccgattn 360

tcgaanagcc tcaaaatccg tt 382

<210> 14443
<211> 474

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-G12

<400> 14443

gngngngnaa ctttaantgn cgggnccggt canagaattn acgggncgag ccacgcgtca 60

nattcatctc ctcctatcgg actttgccac accagatcgg aaaatcccaa tcctcttttc 120

ctttgttttt tttgctatct tcaatcaaaa actctccgac agattcaatg aagcagcaaa 180

agagataaaa ccctaacaaa agtaaacaat cggagtttta atcttcttct tcttcgganc 240

cggagttttg tctgatctgt cggagangac gtgtcggcat ctattaaaat cctagctgga 300

cttccanatc actttactca attagaaact gttttgaggt tacacaaagt tagtnnnaaa 360

gcttataaaa caatgggaaa cgancgaaag accaagatgc cnatttaaga ctaacaaaac 420

caaaaatntt tcgggtcaag gaagttcccc ccaaaacggg tnaccaaaaa ttgg 474

<210> 14444
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-106-Q1-E1-G2

<400> 14444

actaatgagg gatattttga tcggagtcaa ttacttgcac agccatggtc tggctcacac 60

agaactgaga ttggaaaatg tgcatattag ccctgtggat agacatatca aagtagggat 120

tctcggaaat gctgctgact ttaacgggga tgttccaagt actagcaacg cttacagtac 180

catggacaga cgacaaatga tgatagcatt tgacatgaga tgtgttggat tcatgatggc 240

aaaaatggta cttcaagaat tgatggatcc attaatcttt gcgaaattga agtctttcct 300

ggcaaagggg aatgatcctt cctcgctgcg ggagtttttt gtgacgacgc tcaatacaaa 360

ctctgaatct ggaaataccg gagtgcaaat acttgataga aactggg 407

<210> 14445
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-106-Q1-E1-G3

<400> 14445

gagacagaga gagtggatgg atgtcttata gaatgaacaa aacatcctct gtttctcttg 60

tccttgtccc tttttccaga tcttaaggtt ttccacattt tatcatctgg gtcctctcct 120

taatgatttg aagacactca attcctattt gatcggggac tagaatttgg attctgtttc 180

agacaaaagt agatttccct gtctctttcc cgtttgattt tcaataagat gaatccggag 240

gagcaaaaga tggaatctgc atcggatctg ggcaagctct tcattggcgg gatttcatgg 300

gacacagatg aagaacgact gcaagagtat tttggcaagt atgggagatt tggttgaagc 360

tgtgatcatg aagagaccgt actaccggac tgcccgtggc tttgggttat cg 412

<210> 14446
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-H1

<400> 14446

gtctcctaat cagaatctct gatttcccga tccggctaat tcctcatcgt cggatcaatt 60

agattatctt atcccaagga gaggagtgtg tgtgantcgg agagagcgag agacagagag 120

agagagaggg aaatgaacgg tggtgatgag gtcgtcgcag cttcggcaga cccatctctg 180

cctttggaat ggagattctc tcaggtcttc ggtgaacgaa gcgctggtga agaagttcaa 240

gaagttgata taatctcagc gattgaattt gataattctg ggaaancatc ttgctactgg 300

ggaccgtgga ggacgtgttg ttcttttcga gaagaaccga tacaanaata gcagttggaa 360

ccagaagann actttgaagg angctgattt atcactngag gcatcca 407

<210> 14447
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-H10

<400> 14447

cttacgntgn cagntgncng gcanagantt aacgggncga nccacgcgtc agctctttca 60

accaatccgt tgaacgtcgt cgtaataagc ttcatcttca tcaatcatca tcactttctt 120

ctttctccca cagatccttc cttttctcct tcatcttccc cttcttcctt ttccctcatc 180

gcccaggaac acatccgatc tgcaccctct tcgttcgatt ctcacaatta atatctaggg 240

tttgcgagga ccccccctct ctattcaaaa aaagagagca gattttctct ataatccccc 300

ttggtttcaa gtggtgtaat tggatcgtgt agctgctttt ataatgacct ctagcacgac 360

aggagatnga agatggggta ctacaagaaa gaagtgggca tgaactaata tggggaaaag 420

gttgcnggtt caaaaaccng attaacttac caag 454

<210> 14448
<211> 304
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-H11

<400> 14448

gaacggtttg cagttcatgg gaggtcaagc cgctggatac gcggctgcag actctgtcca 60

ggcacttcct cttgtaagca cattttgggg tatagttttg ttcggagagt atcgaaaatc 120

gtcgaagcga acttatgccc ttttagttag catgttggcc atgtttgtgg cggccgtagc 180

tattcttatg gcctcttccg gtcaccggaa atgatgatct tatcatagtt gtattataca 240

tgtaagatta taagtgaatg aagaatatat gttctgtttc aaaaaaaaaa annnnnnnnn 300

nnnt 304

<210> 14449
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-H12

<400> 14449

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attgaagcta ctttcgaaga tagcattcac tgattggtaa agagttctag aagcgacgag 120

catcttcttt agttcccgag ttttctgcgt ttgagaagtc tgttctagaa agtaatgggt 180

gacagcgagg ccatggtttc cgagggttat acttctgctc catatggaga ctataatgct 240

tctgctgcta ctgtggaatc gaccgggcaa gagactgcac caattgttga tgcatcacac 300

tcggtcaaca atgattcttt ggtcaatggt actgcgccag ttgaagaacg gaagtgcaac 360

agataatgtg gctgttaact gctccaacaa ccggaccatg gaaacaatna cnggctctaa 420

actctcaacg gaanaaggag cctttg 446

<210> 14450
<211> 203
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-H2

<400> 14450

nnnnnngnaa ngtaactcgc gcgnncggta caggtcacng nngccgagtc ctaaaagttg 60

gaanattaga tttgaaatta ttttaatttt tgtagagttt tctggagata tttatgatcg 120

tgattttgta catataatat actccagaat gttaggggaa aatctttctt gtaagaaccc 180

ttaattaaaa aaaaaaaaaa aag 203

<210> 14451
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-H3

<400> 14451

cgtagaccgt caaacgctcc tccgtccgac ggagaaaaaa cgaagacggt gaagaagaag 60

aagaagaaga agaagaagaa cgactcaaag atctcatcga tcactctctc caagatctat 120

tcacgcatcg tcggaagaat tttcgcttcc gacgacgttt ctctcgtctg attttgtctc 180

cgaacatcct acctaatcgt attcggtgct ggatttgaat ccggtgaact gaatctgaca 240

atttcgttcc cggaggtgtt taaaaatggc cgggatcttg aataaattgc ggaatctaga 300

tgcatatcct aagatnaatg aagattttta cagccgtaca ttatccnggc ggagtttatc 360

actctcctct cctccgtttg ttatgttcc 389

<210> 14452
<211> 303
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-H4

<400> 14452

ccngtacagg tcatagaatt cccggncnna cgtccgcgga agcgtccgcc cacgcgtccg 60

cggacgcgtg ggtaaattac ttctgcaagc tgcagatgct tcattcanaa cattatagct 120

ttaatgggaa ggggtagttt cacatctgtc anaacttaaa atggattctt gttaagtctc 180

tgagtcaatg caatctttgt actgtatcat tttctttatg atcaatgaga gctttatttg 240

ctccaacaat tttagtanan gnggaagcgg tgccccantn gnagccgccg cacntgctgc 300

tgc 303

<210> 14453
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-106-Q1-E1-H7

<400> 14453

tagctttctt cccatacgtc tctccgttta cgaccagtat acagaggctg gagctgggga 60

agaaaaggat tgtctatgga gggagacgtc ggaataggtt tggtatgcca gaatactatg 120

gatgggaagg cgagtaatgg aaatggttta gagaagactg taccttcttg ttgccttaag 180

gctatggcat gtgtacctga ggatgatgct aagtgtcact ccactgttgt ttctgggtgg 240

ttttcggaac ctcaccctcg ctctgggaaa aaaggcggca aagcagtcta tttcaacaac 300

cctatgtgaa cagaactttc tcaactttca gtgagtgtgc ttctcctggc cacatagggt 360

tgttgaaata gaactcactg aaagttgaga aagttctgtt caaa 404

<210> 14454
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-106-Q1-E1-H8

<400> 14454

ctccctccgt cgtcggcctc cgccgtaacg ccactaggct cctccgtgat tccgattgtg 60

aacaagctcc aagacatatt cgctcagcta ggaagtcaat cgacgatcgc tcttccgcaa 120

gtagctgtcg tcggaagtca aagcagtggc aaatccagcg ttctagaagc tctcgtcggc 180

cgtgactttc ttcctcgtgg caatgatatt tgcacgcgcc gacctctccg tctccagctt 240

gttcagacga aacctagctc tgatggtgga tccgatgaag agtggggcga gtttcttcac 300

cacgatcctg ttagacgtat ctacgatttc tctgagattc gccgtgaaga ttgaggcgga 360

gactaataga gtatcaggag agaacaaagg tgtatcagat attccg 406

<210> 14455
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-H9

<400> 14455

aaaaccaaaa aaaaaaaaaa aaaagagaaa gaaaagaact cgagtgcaaa aagcttctct 60

cttccttccc atggggtgca tttgaactaa tctcctcctt gaaatcgctt gattgattgt 120

tataaatcga ttaatcgatt caaaccgttg gatattattc caaaacaacc caaaaagaga 180

atcccatggg aagttgtgtt tcgtcgccat tgaaaggctc tccttttgga aagagaccgg 240

taagaaggcg acacagtagt aatagcaaga acatcctctg ttcctcgttt cgattcttca 300

actaatcttt cccggagatt gattttccaa ccaacaagcc gcgttctccc cgaagcctaa 360

ccggngatgg aattcactca agntatgatt tgggga 396

<210> 14456
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-107-Q1-E1-A10

<400> 14456

tgaagccaga agaccttgtg atgagagagc tgattcaaca acaacagcaa ctacaacaac 60

aagaatcaat gataggtgag tatgaaaaga ttgaagagtc tcacaattat aataacatgg 120

aggaagagga agatcaggaa atggatgagg aagaactaga cgaggatgag aagtccgcgg 180

ctttcgagat tgcgtttcaa agccctgcaa acagaggagg caatggccat acggaaccac 240

ctttcttgac aatggttcag taaaatcaga atcattgttt caagaaaatg tacttatgtg 300

tgcatagttt tctaaacaaa acacccaaaa acacaaaaca caaacacaca cacacacacn 360

tctgacacca caactgaatt acaaggtctc a 391

<210> 14457
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-107-Q1-E1-A11

<400> 14457

ggaagtacaa caaagttctc aatgtctgtt ctcttgaaaa agacctacaa atgatggagt 60

ttggagataa gactgagatt ggagaacgcg gaatcaacct cagcggaggg cagaagcaac 120

gtatacagct cgcacgtgct gtctatcagg aatgcgatgt atacttgctc gacgatgttt 180

ttagcgcagt ggatgctcat accggttcag atatattcaa gaaatgtgta agaggagctc 240

tgaaaggcaa gaccgtatta ctcgttaccc atcaagtgga tttcttgcac aacgtggatt 300

gcatcttggt gatgcgggat ggaaagattg ttgaatcagg gaaaatatga cgaattagtc 360

agctcccgga nttggatttt ggggaaactt ggtggctgca caa 403

<210> 14458
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-G10

<400> 14458

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gagaagttag gtcagaagta tcgtgtagct ctaaggattg cgaaagatcc tcacttcgaa 120

agactacctt gtatacacaa agggacatat gctgatgact gtctcgttga cagagttact 180

cagcataaat gcttcatagt ggctacatgt gatagagact taaagcgaag gattcgaaag 240

attcctggtg tgcccatcat gtatgtgact aatcgcaagt actcaataga gaagttgcct 300

gaagctacac ttgggggaac tccaangtac tgattaatta ataagaaacc ttatgaattc 360

catgaanccc tgaancctca agcctgantt gggtatcgg 399

<210> 14459
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-E1

<400> 14459

actctttttt gaattttgat tcttcttctt ctccgtttct ttcgctactt cctcagcttc 60

gtcaccgtcg aaaattcttc acgttttcct cggaattttc caattgtctt ctccaattct 120

cttgcgatcg ttgaagatct gaaaaattcg aagcgtttga tcatggcttc gtacactccc 180

aagaacattc tcatcaccgg agctgctggt ttcattgcgt ctcatgtcgc caacagactc 240

atacgaagct atcctgatta caaaatcgtt gtgcttgaca agcttgatta ctgttcaaat 300

ctcaagaatc tcaatccttc taagcactct ccgaacttca agtttgtcaa angngataac 360

gccaagtgct gacttgggtg aatcancctt ctcaacaact gaagggtat 409

<210> 14460
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-E11

<400> 14460

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ncagacgtct gctaaacagc atcaatggcg acttctctct ccgtttctag attcatgtcc 120

tcctccgcca ccgttatctc cgtcgctaag ccgttacttt cccccaccgt atccttcacc 180

gcgccgctct ccttcacacg ctctctcgct cctaatctct ctctcaaatt ccgcaaccgc 240

cgcaccaatt ccgcctccgc caccaccaga tccttcgcta cgacacccgt caccgcctcc 300

atttccgtcg gagacaagct cccagactcc actctctcct acctcgatnc atccaccgga 360

gacgtcaaaa cagtaaccgt ctcatcccta accgccggga agaaaaacaa tcctattngc 420

cgttcccggg ggcattcnna acnaacatgc tcnaaaaaan angt 464

<210> 14461
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-E12

<400> 14461

tttgacagtg gtggctacaa cattaagact ggacctggct gctcaattga gctcatgaaa 60

ttcgacatgg gcggttcagc tgctgttctt ggcgctgcga aagctattgg tgagattaag 120

cctcctggtg ttgaggttca tttcatcgtt gcagcctgtg aaaatatgat tagtggaacc 180

ggaatgagac ctggagatgt catcactgcc tcaaacggaa agaccattga ggtcaacaac 240

acagatgctg aaggtcgtct aacactcgca gatgctctag tgtatgcttg taaccaaggc 300

gtcgacaaga ttgttgacct cgctactttg aacgggggct ggtgttaatg cccttgggaa 360

cttcaatggc aggaatctat acacctancg acaagctt 398

<210> 14462
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-106-Q1-E1-E2

<400> 14462

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ctgacctctg tatcggtaag ccacctttac ggtgtctctc cgtcgccaca gccaccgtag 120

ctgacgccat cgccgctctc aaatcctctg acgaaccgtt cctcaccgta tggagctgta 180

atcacgatga gaaaacagat gataatgata agtgtgagtg tttgggtaag atctgtatgg 240

ctgatgtaat ctgttaccta tccaaattcg acaacaatgt tttgtctctt tcctctgctt 300

tcgacgcatc tgtctctgtt cttcttccca aatctcgtgc cctcgtcgtc catgttcaat 360

cttcttgcag tttgattgaa gctattgatt 390

<210> 14463
<211> 279
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-E3

<400> 14463

ctcgtctctc caanacgctt ctcgacggtc gttccttcac cctcaagtac cagttaccta 60

gcgaagacct tgactctctc atctccgtca ctaccgacga agatntcgac aacatgatcn 120

aagagtatga ccgtaccatt tccgcttcca attccaccaa accttcgcgt ctccggttgt 180

ttctatncac ctccaagcct gaggctactc aatctatggg tcagatccnt gagagctctg 240

ncaanagcga nnattggntc ctcaacgcac tcaatagng 279

<210> 14464
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-E5

<400> 14464

atgccataan acattccaaa nngggtttaa canaaatatg cagaactcag gtttggatga 60

tctatttgtt atcacaaaga naaagatgaa ggttgctgtt atgtggcaag atggnanctg 120

caatctggga gttgattccc aacagctgct tcctgttggt gctgttaatg ctcatgattt 180

ttggccctaa aagtttgttg tggaaaagga aacctgcaac agcaannnat ggggagttgt 240

gaaggntgtc aatgctaagg aacanactgt gaaggtacaa tgnacaatac aggttgagaa 300

agaagcaaca ngttgtgttg atnaagtgat ggaagaaatt gtcattgcat atgaactgcc 360

ttagcaanct gaatttggga tccngttcac cnatgtggtt gtg 403

<210> 14465
<211> 403
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-E7

<400> 14465

cccattcggt tggagaatcc ccatgttata tcctcaaatc agctatgggc tggagttgta 60

agtactggtc catcagggta cgttcttaat tctagctacc gcaatcgtga tgtcccagag 120

tacaaacaag aacttgggaa tgccatagtt aacttttctc gagtcgtgcc tgaaggactg 180

ctgatatttt tcccttccta ttaccttatg gactcttgca ttacattttg gaaaaatggg 240

tgttacagaa actcaatgac agtatgggaa agaatttgca agctcaagaa acctgtcatt 300

gaacccaagg attcctccct ctttcctgca gcaatgcggg acttttcaga aaaantgcaa 360

gacagaanca acttcgggtg tggtggtttt ttgccgttgt cgc 403

<210> 14466
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-106-Q1-E1-E8

<400> 14466

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ccaccacttt caccatcaat ctcgtggtaa taagcatcaa aacgctttta atggtgagaa 120

taaaactatt tgggttggtg atttgcaaaa ctggatggat gaggcttatc ttaattctgc 180

ttttacttcc gccgaagaga gagagattgt ttcgctgaag gtgattcgta ataagcacaa 240

tggttcatcg gaaggatatg gatttgtgga gtttgagtcc catgatgtag ctgataaggt 300

tttgcaggag tttaacgggg cgcctatgcc aaatactgac caacctttc gtttgaactg 360

ggctagtttt agcaccggtg agaagcggtt agagaacaat ggacctgatc tc 412

<210> 14467
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-E9

<400> 14467

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ncccaaacca aaccaccctt caccctaaaa atcgtttcat ctttttttcct tcttctaatt 120

ttttttaggt ttttaattaa cttttgcttc aagttttctt ctatagattt cttactcaga 180

aaagtttcga attcgaccct gtagcttagt tgttgtttat aatttcttgt gatcattcac 240

agtacaaaaa aactaattca cccaccgact tcttcttctt cttctcttct ctgtggccca 300

tccttaaacc cacactgctt ttgcttttcc ttttttttttc cgggaaattt gatctcttta 360

cctttcgtca ttattangta gggaatgatc ntttagtttt ttttttgtnt cccccaaatc 420

ncaatttttc ccannttcct ccnncaancn tnnaanattt naaaanaag 469

<210> 14468
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-F1

<400> 14468

nnnngnaant tacttgccgg cccggtcaag aatacccggg ncgacccacg cgtccgccca 60

cgcgtccggt tcaactaata acgcaaaaat cagtttctct ttgagtaagt gtttattaca 120

attaaactaa ctcaggcaag tctatgatca tggcttcttc tgctgctgca tcgatctcta 180

tgataactct aaggaacctc tctcgcaatc atcaatctca ccaaagcact tttctcggtt 240

tctctagatc cttccataac caaaggatct catctaacag tccaggtctc tccacacgag 300

caagatccac cacttcctcc actggaggtt tcttcagaac catttgcagc agcagtagca 360

atgactactc caagaccaac taagattcaa gagcttaacg tctacgagtt caacgaaggt 420

gattgaaaca gtccaagccg gtttttaaaa ctangggaaa aaaccagntt nagctt 476

<210> 14469
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-F12

<400> 14469

ggtggaccag gacacggaat ttccattgga agtcttggaa gataccctaa tgagcaacca 60

gtaaaaggag tcaccgtgag gaaatgcctc atcaagaaca ctgacaatgg tgttcgcatc 120

aagacatggc caggatctcc ccccggcatc gcctccaaca ttcttttcga agatatcaca 180

atggacaatg ttagccttcc cgttctcatc gaccaagagt actgtcctta tggccactgc 240

aaagctgggg taccatcgca agtgaagttg tcagacgtga ctatcaaggg cattaagggt 300

acatcagcaa caaaagttgg cttgtgaaac taatgttgcn ancaaaangg attgccttgc 360

accaatattg ctctctctga catcaacttt ggtcc 395

<210> 14470
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-F4

<400> 14470

ctgaaagcat ctgttggact cttttaaatc agcaagatga gacagttgtc tggaaaaaga 60

ctatcaacac caaatgttat agttcccgga aacctggagt gggcccttct gtgtgtacca 120

aagggcacga tgttgagtct ccttattaca ggccgcttca gatgtgtata ggtggaacac 180

gtagccggag gtggattccc attgaaggca ggacaagatg gcctagccgg tctaacatga 240

acaagactga actttcatta tatggtcttc accccgaggt gcttggagag gatgctgaga 300

actgggaaga taacagtgag agaatactgg tctctcntgt ctcctctgat antctctgat 360

catccaanga agacccggcg atgaagatcc ntcaccgccc ttataacaat gctcagag 418

<210> 14471
<211> 64
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-F7

<400> 14471

tactttggct nactanaaca tccataaata atctacactt catcttgtgt tgaggcttan 60

agga 64

<210> 14472
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-106-Q1-E1-F8

<400> 14472

tccgatacaa tcaaataata taaataccat aaattgaatt cctaatcggg gttccttcta 60

taaatttatt tatttgattt attggaaaaa ataataataa tatggggatg tcaaaaagta 120

tcaaggttat tgtatctctt gctctcatat tatttttggc ccttgcagca accaaggttg 180

aagccacaag atacataagt tatcgtggta tgaatcatgg agatcatgct atacattgtg 240

acaaagccca ccctaacacc tgcaagaagc aagtagcaaa tccttacagg agaggatgcg 300

gaacaatcga acgttgccgt cgtgatacag gtagaaaatg aatcaaacca aacccaccca 360

agagcataaa ataattgcat caacaccttt ggttaagaat gtgttaacat gtttcc 416

<210> 14473
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-F9

<400> 14473

tggccatgtt caaaacctta tctttttttgt tccttttgtg ctttcagata catggaacgg 60

tggctgcaga tgaaaattcc ttgttttcat tcaatggttt tgtaaaatct ccgagctttg 120

acaagagggt tgctctgttt ggagattcga agctggtcaa tgacagttct ttgattcagc 180

tgactgactc agtgactcga agcgttggtc gaagtcgttt acaagaaacc catcaatctt 240

ttcaaaggta aacagaggaa ttcgagatct ttctctactc acttctcgtt ttcttccatg 300

tccaacgaag attggtgatg aatgtcntgg cttttgtaat gggntccatc caatttggat 360

cntagttcgt ttngggtaga aaggacaacn anttccccng cttaagg 407

<210> 14474
<211> 425

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-G1

<400> 14474

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aaatctccga tnctactacc gattaactca ataaatcggn gatngggaga ttggagtctc 120

tgttcatcgg ncagatttca aaatccgagc gacggncatc gacgacgaat ggggtcaaag 180

atggagtgga gaagagtatt gcctcatctt caaaccgtat cggtagcaag ataaagcaat 240

cgaatccgtg gagggagacg gagaggctaa aagagatcac taacggattc cgttgtacng 300

aacagatnga aggnttaagc gtatcnagtg atacgaagag ctgagatnag cgaagctcat 360

cacaacagct cgagtctaag aaccctactc cagctcctaa cgaagctctg tttctcctca 420

acggg 425

<210> 14475
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-D9

<400> 14475

nntngngtaa ctttacgctg gncangtgcc ggtcanagaa ttaacgggnc gacccacgcg 60

tcanctcctg gtgaagacag tgaagtcatc ttataccctc aagccatatt caaggatcct 120

ttccgtagag gaaacaacat tcttgtcatg tgcgatgcgt acactcccgc gggtgaacca 180

atcccgacta acaaaagaca cgctgcggct aaggtcttta gcaaccctga tgttgcagct 240

gaagtgccat ggtatggtat tgagcaagaa tacactttac tccagaaaga tgtgaagtgg 300

cctgttggtt ggcctattgg tggttatccc ggccctcagg gaccgtacta ttgcggtatt 360

ggagcagaca aatcttttgg cagagatgtt gttgattctc actacaaggc ctgcttatac 420

gctgggatta acatttagtg gcatcaatgg gaanaagtca tgccggggtt 470

<210> 14476
<211> 416

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-B3

<400> 14476

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agagagattc gaacactcaa agttttgaag catccaaaca ttgtccgatt acatgaggtc 120

ttggctagca aaaccaagat ttacatggtt ctggaatgtg tcactggagg agacttattt 180

gacagaattg tctcgaaagg aaagctttcg gaaacacaag gacgaaaaat gtttcagcag 240

ttgattgatg gagtcagcta ttgtcataac aaggtcgttt ttcacaggga tctcaagcta 300

gagaatgttc ttcttgatgc aaanggtcac attaagatna ctgattttgg ccttantgct 360

ccgtctcaac attatnaggg aagatgggtt gcctacatac aacttgtggg taatcc 416

<210> 14477
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-B5

<400> 14477

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taatgggatc cgacggcggt atttgatcca gtggttatgg agccacgttg ttagttactg 120

taccggaccc aatgcgcttg attagtgaat gaatggtatg gtttgtgttt aaatttggga 180

agggtaattt tgtcttttgg aatttgagct cgacattgtg gaattattat gatcaagaat 240

gggtttgttg tgtcgatgca taattaaaat tagttaatga tagttatgag gaaagtcacg 300

tatgttgctt atctttcttc ttcttgttaa aacaaagcca atcttaatgc ataatataac 360

cttgggttgt caaaaaaaaa aaaaaaaaag ggcggccgcc cnaaaaggat cca 413

<210> 14478
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-106-Q1-E1-C10

<400> 14478

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ttacagagag cttggattta gatttggctc tgatgtaatc tccggtgaat cgagaaatag 180

ggttagtttc tgcaaccaaa gctctaaatg gaaagagatc gcgatacgtt gctcttcgag 240

atctgtcaaa tgtgaagcca tcgtctccga tgacgcttct ccgtttctca aatccactcc 300

aaaatctaaa tcgctcgaga gtgtaaaatt atttgttggg cttccgttag acacagtttc 360

agactgcaac aatgtgaatc acttgaaagc tattacagct gggcctaaag ctttgaannc 420

accttggtnt agaaggtatt gagttaccna nctttttgggg g 461

<210> 14479
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-106-Q1-E1-C11

<400> 14479

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cttcttcctt tcgtcggatg gaatcttctc cggcttcttc ttcgtctccg acgccggtaa 180

ccgattcatc tgctgattct ttagcgaaag atctgcagaa tcaaagtctg ggagctgttg 240

atgaaggtgt taagattaaa aagaagctcg aagattttaa ctgggaccat tcctttgtta 300

aggaattgcc tggtgatcct agaaccgatg ttatctcgcg tgaggtatta catgcttgcc 360

aatcaaaagt ttccccatca agtagaaatt gatgatcctc a 401

<210> 14480
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-C3

<400> 14480

agagcgccat caaattcaac ggcgggaggt catgtcaacc attcgatttt ctggaagaac 60

cttgctcctt ccagtgaagg tggtggagag ccaccaaaag gatctcttgg tagtgccatt 120

gacgctcact ttggctccct tgaaggtctg gtgaaaaaga tgagtgctga gggtgctgca 180

gtgcaaggct caggatgggt gtggctcgga ctagacaaag aactgaagaa gctagttgtt 240

gacacaactg ccaatcagga tccattagtg acaaaaggag gaagcttggt acctctggtg 300

ggtatagatg tttgggaaca cgcctactac ttgcagtaca aaaatgtnag gcctgaatta 360

cctgaaagaa tgttatggaa agttgattca actggaaaat aatcca 406

<210> 14481
<211> 62
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-C5

<400> 14481

tcatcagcta cgtgtactac gaagttatcg gcaggntgtt ctacaaggat tccaggcttc 60

na 62

<210> 14482
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-106-Q1-E1-C6

<400> 14482

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tacgagactt gtctctcaat cctgaagcag actcgattca tccatcagtc aacaaatctt 120

ccttcacaat ggatgaagaa gaagcaatgt tactgctaaa ggaagaagat gaaggaacaa 180

gaagaactag tgttcctaca caactcatga aactaaaacg aacccattgg tggattcttg 240

tctttataag tatcttcttc ctcatctctg cacaagccat tgctgttctt cttggtcggt 300

tttattacaa cgaaggtgga aacagtaaat ggatctctac tcttgtccaa acttgtggtt 360

ttccgattct ctatctccct ctttgtttcc ttcctgcttc acactcttct tca 413

<210> 14483
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-D1

<400> 14483

aataagaaaa atatcattca aaagaaacaa taatcatgaa actcttagaa caaatggtat 60

acgtagaatg ttttatgata ataatggcta cattgttagt gtccatgagt tacggtcatc 120

gagcgatgat taatgatgta gccgaagcac ccgtgattga caatgtaggc agcccaacca 180

acggactcga cagttcttgg tatgatgcac gagcaacatt ttacggtgat atccatggtg 240

gagaaactca acagggagcc tgtggatacg gtgatttatt caaacaaggc tatggtctag 300

agacagcggc attgagcaca gcactcttca acgaanggta tacatgtggg gcntgttanc 360

aaatnagtgt tttgcacgaa cccacaatgg tgtttacccg gaaccatcaa 410

<210> 14484
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-D10

<400> 14484

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tcnancgctt ttctccgtaa acaatttctc agtttccaat ttcaacgtaa ccggtccggt 120

tttctccgcg caatggacgg cgaatctcac aatcgagaat caaaacacga aattgaaagg 180

ctactttgat cgaatccaag gtttagtata ccaccaaaac gcggtcggag aagacgaatt 240

tttagcgacg gcgttttttc aaccggtttt cgtggagacc aagaaatcgg ttgtgatcgg 300

agaaactttg accgcgggag ataaagaaca accgaaagtt ccgagttggg ttgttgatga 360

gatgaagaaa gagagagaga ccggaacggt gacgtttaac ctgaaaaagg cgtnttgggt 420

tacctttaag aaccaatggt tgggcggcnc gtganancgg gcttaa 466

<210> 14485

<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-D11

<400> 14485

cntggttgtt tgcgattgat ccgtttagga ttttctctga gtccatcgct tattgaatcg 60

tcaaggcttt ttcttgtttg actttggaat atcgaatctg ctcaatactc caccaaatta 120

tcaaacttgg tgttctttgt tgctcaatac tccaccaaat tatcaaaact tggatgttct 180

ttgtagctca attaccaaat taataagttg cattcttctt tgttgcttgt tagccttttc 240

atcgagtttc gtttctgcga tactattttg tttaggatag tatggctgaa aaggaagtgg 300

tttctgcctc aactttagaa tctaagatca ctgangatna tcatgacatc tggattccga 360

ggaacgatgg aaaaganccc gctcctccaa caatcagtg 399

<210> 14486
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-D12

<400> 14486

gnnnnngtac ttcacctntt cgggccggtc acagnncnac gggncgancc acgcgtcnaa 60

attcngnnac aatcaaataa tataaatacc ataaattgaa ttcctaatcg gggttccttc 120

tataaattta tttatttgat ttattggaaa aaataataat aatatgggga tgtcaaaaag 180

tatcaaggtt attgtatctc ttgctctcat attatttttg gcccttgcag caaccaaggt 240

tgaagccaca agatacataa gttatcgtgg tatgaatcat ggagatcatg ctatacattg 300

tgacaaagcc caccctaaca cctgcaagaa gcaagtagca aatccttaca ggagaggatg 360

cggaacaatc gaacgttgcc gtcgtgatac angtagaaaa atgaatcaac caaaccaccc 420

caagaagcat aaaattattg catcaacacc tttggttaag a 461

<210> 14487
<211> 411
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-106-Q1-E1-D2

<400> 14487

ccccgatgca atgttcgaca ttcagatcaa gcgtatacat gagtacaagc gacaactgct 60

aaatatcttg ggaattgttt accgctacaa aaagatgaag gaaatgagtg ctagtgagag 120

agagaaagca tttgttccaa gagtttgcat atttggggga aaagcatttg ccacatatgt 180

gcaagctaag agaattgtta aatttatcac agatgttgcg tctacaatta accatgatcc 240

agaaataggt gacctcctta aggttatctt tgttcctgat tacaatgtca gtgttgctga 300

attgctcatt ccagcaagtg agctttctca gcacatcagt actgctggga tggaagctag 360

tgggacaagc aacatgaaat tttcgatgaa cggttgcgtt ttgattggaa c 411

<210> 14488
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-D3

<400> 14488

tttagaagaa atcaagaccc gtatccaaaa gaaactccat gtccctgatg aggactttgc 60

caagtggaag tttgcatcgt tttcaatggg acgtcctgat tacttgctgg acacagatgt 120

tgtttataat cgctttcaga gaagagatgt atacggtgcg tgggagcagt atcttgggtt 180

ggagcacatt gataatgctc ctaaaagggc ttatgctgca aatcagaacc gacacgcata 240

cgagaagccg gtgaaaatat acaattagga gagagacatg gctatgcatg taggaatcaa 300

gggtggtggt tttggtgcga gggtangatg tanagagact caattttaga tttgataaac 360

taaaatggat aatatatcct tttcaaggtt aagggttttg atttttggcc c 411

<210> 14489
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-106-Q1-E1-D4

<400> 14489

gttactctcg tgtttatctc tccgacgtaa ccatggatag cgatactctc tcaggattat 60

tggaaaacgt cgccaaaaaa ttccccgatc gccgagctct ctccgtttct ggaaaattca 120

atctcactca cgcgcgtctt cacgatctaa tcgaacgcgc cgcttcacgc cttgtctccg 180

acgctggaat caaacccggc gatgtcgttg ctctcacctt ccctaacacc gtcgagtttg 240

ttataatgtt tttagcggtg ataagagcta gagccacggc ggcgccgttg aacgcagcgt 300

acacggcgga ggaatttgag ttttacctct ccgattcaga ttcaaagcta ttgttaacct 360

ctaaagaagg aaacgcaccg gctcaagaag cagcttcaaa gctgaaaatc tctcacg 417

<210> 14490
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-D5

<400> 14490

gaagcactcc cgatccgtct cagatctgag cgatccatcc actcctcgct tccgagacga 60

ctctcgcact cctatttcgt atgcccaagt catccccttt actttgtttg agcttgagac 120

catcaccaag agcttccgcc cagattatat actcggagaa ggtggtttcg gtaccgtcta 180

caagggttac attgatgaca atctccgcgt cggcctcaag tctctccctg ttgccgtcaa 240

ggtccttaac aaggagggac tccagggtca ccgtgaatgg cttacagagg tcaacttcct 300

cggccaactc cgtcatccca acctcgtcaa gcttattggg ttactgctgc gaggacnatt 360

accgattact tgtttatgag ttcatgctgc gaggca 396

<210> 14491
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-D6

<400> 14491

aaaaacagcg ataaaaccga aacatcaagc aaacaanaaa aaaagagaag agaaattatt 60

ttttttttgtt ttcgttttca aaaacaaaat ctttgaattt tatggcaacc cgtcttctcc 120

gaacaaactt tatccggcga tcttaccgtt tacccgcttt tagcccggtg ggtcctccca 180

ccgtgactgc ttccaccgcc gtcgtcacgg anattctctc ctttggacaa natgcaccgg 240

aaccacctct tcaccacnca agaagccacc gagcaatctc acgatggtct cgatctctcc 300

gatcaagccc gtcttttctc ctctatccca acctctggat ctctccgttc caagcgccgt 360

tgttgcatgc gggnggcnat aggtcctatg ggtcgaacct agggaa 406

<210> 14492
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-B2

<400> 14492

gaatttcaag tttccgattc tctaaatcca attgatttca ctcttcctca aatgaaaaag 60

ccctaatttt gatcgtctaa atttcataca tgggtgcgaa cgagtttcgt ttcttcctct 120

cctgcgatat caattcgccg gtcacttttc gtatcgagaa gcttgatgga aacctccccg 180

tcaagaaatc gtctgattcg ggagttgtct ccatcgcaga ggagaaaaaa ccagagcttt 240

acattgagtg tgcattgtac attgatggag ctccttttgg ccttcccatg agaacaagat 300

tgaaaactac aggaccacca tactgctgga acgaaactca tcactctcaa gttctaaata 360

ncggggactt gactgcccat tcacaacttg cgattacaag tatgggatgt ttcgtgtgg 419

<210> 14493
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-G4

<400> 14493

nnggggngga acgttacaag ctcnggcgnt ccaacantcc aaggtcgacc cacncgtccg 60

tgataaacaa tacattgatg tgagattcac tgggtagtga atatcagtcg tctcgttcaa 120

tgattacggt caatgttaca gaagagtttc atcaatggcg gatttttgt cttgtagcgg 180

gattgattgt gattttgtta gcacctgttg ttagcagttg gctaccgttt tactatacga 240

gttctatggc ggttggtgtt tttctcgttg ttttgattat tatcttccag gttatgaggt 300

tattacctac tgggaggaag aatgttatgt atcttgcgtt ttatggatct gttgttggtg 360

ctggatcttt cattctacat caattctcaa tgatggtgaa tatgattcct gntaattttg 420

ggttgaatta ngatatgtnt aatccggtaa ccaaacctgt gcctgttggg gngggtaata 480

acgggaccgc cttttgg 497

<210> 14494
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-G6

<400> 14494

nnnggaactt tgacaaggcc ggncgctcgg aaaccggtca gnganntccc gggccgaccc 60

acgcgtcnaa gcaagtcttg gttggaggaa gtgcttgtct ctggtcttca ctccagcaat 120

tcttgttaca ctggtcacta tgtcgtgata tgtggctatg atgctgttag ggatgagttc 180

gagatcanag atcccgccag ttccaagtaa tgttttgtta tatctcattg cttcaatact 240

tacaaatcgg tgctctacag cattttcttg gaaatgttat atctggttgc catgttcatc 300

gatcagcaat acacattgaa actgtttagt aatgagttaa aatctaaaca taatgggaag 360

agagatttag gttggtttat actaagatat tccatctttt anatgcnagt tctcantact 420

atttaagaan agagtttcgc taagtnagaa agaacacntn tgcatcatcc tggaactant 480

aanaaatgat ananaaatgt tt 502

<210> 14495
<211> 270
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-G7

<400> 14495

antagtttcc cgtttaacat gattcttgct tttgatagtc caagaatata aagcatacca 60

aggtttcaga ctatcaccat tcccctgatg ttaactctgt tttaggttca gtatagggga 120

tccgaaaaac tcggttcatg atgtaacaat cttatctcct tgtaactgta gctgatgtac 180

ttaggctgta aaaacaatca cttttcagac gttttaagtg atcttgtggg aagttttttt 240

ccagacaaaa aaaaaaaaaa aaaagggcgg 270

<210> 14496
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-H3

<400> 14496

nnngaacttc nnacggtcgg cacgcctcag ggnctcgnag gtcgnnacan ccctctanac 60

tnactnctgg gagaatacag acggatgact aagattctga aggaactcca taagtcttgt 120

caaaaggaag atggaactga tgatcagaag aaaggaagtc agctgcttga ggtttatgca 180

attgaaattc agatttacac tgaaacgaag gacaacaaaa agcttaagca actataccat 240

aaggcacttg ccatcaagtc tgccatacct catcctagga tcatgggtat aatccgcgag 300

tgtggtggaa aaatgcacat ggcagaacgt cagtgggaag aagcagcgac agacttcttt 360

gaggctttta aaaattacga tgaagctggc aaccaaagac gtatacagtg cctgaaagta 420

tcntgttcng gcgaatatgc cgaaggaatc caaatngaac cctttngnnn gccaaaangg 480

caancnntaa aaaacgacc 499

<210> 14497
<211> 115
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-H4

<400> 14497

anatacgctc atgcaacaga tcganaattt agattgggag ttagactctt acaagaagca 60

gaacgagcga ncaagagata ctattacatg agcttactca ngantatgct ccttg 115

<210> 14498
<211> 436

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-H5

<400> 14498

cttctcaang tggtttatat ttgcagcttt ctcatacttt gagtcataaa atacaagttg 60

gaagcagtgt gccgataaat ctcccgatta ttaatgaact cttcaatagc gctcaagcta 120

tgcacatacc tcattcttgt cctttggcta agattgggcc tccggttggg agatattcac 180

ctcctgaggt tgtttctgtc cgtgttcctc ttttacatct ctctaatttc caaggcagtg 240

actggtcgga tctctctggc aaaggttacg ctatcatggt cctgattctc ccaaccgatg 300

gtgcaagaaa atggagagac catgagttag agcttgtaga aaacgtggcg ggatnangtg 360

gctgtggctc tctcacatgc tgcaattttg ggagaatcca tgcangctcg ttaacaacnt 420

nttnggncan aanttt 436

<210> 14499
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-H7

<400> 14499

ggnnngaatt cnanaccgna caccgnncgg aaccggtcan ggactcccgg gncgacccac 60

gcgtccntga atagcttatt anaggaggct aagaagcttg aagagcataa aggaatggat 120

tctggaaaca atgagataga tacgctaaag caacagatcg aagatttaga ttgggagtta 180

gactcttaca agaaaaagaa cgaagaacaa gagatactat tagatgagct tactcaggaa 240

tatgagtcct tgaaagagga aaattacaaa aacgtttcct caaaattaga gcagcaagaa 300

tgctcaaatg cagaagacga atacttggat tccaaggata ttatagacga attgaaatct 360

cagatagaga tattggaagg caaactgaag cagcaatcgt tggagtattc tgagtgcttg 420

attacagtta atgaacttga gagtcangtg aaagagttna agaaagaact ggaggattng 480

nacaagnntn tgatnaaaat tnca 504

<210> 14500
<211> 374
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-H9

<400> 14500

cgnntcantn ctcnttccnn atntctttcg cgcataataa taactgaggt tgttgtttan 60

tcaatgaaga gtgtgcaaaa attggaaggc cagggaatgc agaaacatgt atttgaaagc 120

tgaactcaat tgctctacac caccctctca gatcctttgt ccctttgggc ccttgttctc 180

cctcatccct tatgtggaca cccatttttct aaaccccctgc ttccacacct tncancctttc 240

ctcncacaat gctngaaaat ngagaagagc tcttggttcc gtaaaggcct acaagaggag 300

gtgaaagaat cagttgagga agagacagaa gtggacncan aggcacaggg aaacgcaatt 360

gcacagaann gaag 374

<210> 14501
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-A1

<400> 14501

actcncgggt cgacncacgc ntcnaanttc attcgtnttn tgagataaaa gtgagaggag 60

aaatctaaat tcgagaggan aantttcaan ttttctgagt tagattcatt ggaagagatc 120

acggaaggag ttaacaacat gaacttggct gttgacaccc aganagaaga atcggattca 180

agtttccanc actaagaaac cattgttctt ctacgtcaat ctcgccaaga ggtacatgca 240

gcagtacact gatgtcgaat tgtctgcact aggaatggct attgccactg ttgttacggt 300

cgctgagata ttgaagaaca atggctttgc tgttgaaaag aagatcatga catcnactgt 360

ggatatcagg gatgagtcaa gggggcntcc tgtgcnnaaa gccagantgn attngnctgg 420

cnaatcc 427

<210> 14502
<211> 449

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-A11

<400> 14502

ngtgncggcc aggcanngag agtggcccgg tccaanncac nagtcanngt ngnantatgg 60

canagacgcc acgatggatg aatgatttcg caaatcgtcg agattttgga attcgatgaa 120

gagcgtatca acctgggctt tgtctttctt ctccgacgaa ctttctcggc gagctgtttc 180

cgattgttat ttatggacca ccgcgatttc gcttctctta atccttctcc ttcatatctt 240

cttttccact aaatttcgct tcttcacttc tgctccttct tcttcttctt cttcttcttc 300

ttcttcctct ccctctacag aatcagttcc cgcgaactct caatcaagga tatccaaact 360

agtctctgat gaagatttga aaattccgga tcnagaattt ggaggaggaa acaaatgatt 420

ccacggagat atgggaacat gttattcac 449

<210> 14503
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-A4

<400> 14503

gganactngg gctntgttct tcattctctc gctccatcat cttccccaac aaacccatct 60

tcatcccccg ctcttttcct caaccactcc gtcactcttc tgctctctcg tactcctcct 120

tgaaaatgac cgatacccat atcccaggaa accctaattc gtcccctatc caatctccca 180

ccaaacccga gtcgcttcgt tccctcgaat ttcaattggg ttcttctttc accgccgatc 240

caatcatccc gccgccgaat cagatcgtca tcgttattag cggtccaagc ggagttggta 300

aagacgcagt gatcaacaag cttcgtgagg ttcgtgaagg tcttcatttt gttgttaccg 360

ccactaatcg tccgatgcga actggtgaaa ttgaaggnaa agactaattc cttggcccna 420

aaaattnatt tcgtggnggn gg 442

<210> 14504
<211> 451

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-A7

<400> 14504

ggagttntnt ctncccgtgt ccgcgccaaa ntataaaagg gccgggccnc gcntccaccc 60

taanagtgag tcgtantacc gtttttgatt caattttagg ttagaagaag attccgggca 120

gattatctgt tgattcgaag aataccgaat acgcgtttga aatttctgan gaattatggg 180

atacttggac ttggccttgt cgtattccaa ccagccgcag actgttgaag ctccagcgag 240

cggaggaggt ctcagccaga atggaaaatt tagctatgga tatgcaagct ccgctggcaa 300

gagatcatct atggaagact tttttgaaac taggatcgac ggtatcaatg gagaaatagt 360

tggtcgagtt ggagtttttg atggccatgg tgganccaga tcaacctgag tangtnaanc 420

gccatcnttt naatnancgg gtnacncncc c 451

<210> 14505
<211> 70
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-B1

<400> 14505

aanagaaaac ctcgtatcta agctcatgac anatgtcnaa ggcacttgca gtggccgaca 60

tggatttgta 70

<210> 14506
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-B11

<400> 14506

ganaatccat attcttcaga tgtcataact ctgttgatcg ttcaaagcac ttagaatctt 60

tagatggatc tgctgttaaa ggagaagttg tagtaccatt agttgaagat ctaaataaag 120

aagcttcttt ggaagatgaa gaagaaactt ctgttgaaac gtcttctgag ctgccacaga 180

tcatgaagtt cgatagccaa acttctgagc atagtgattc accttgcact gaagatgttg 240

ttattgaagc ttcatctgat cctcctcgag gagacaatgg ttcgtcatcc gaggatgtca 300

cgatgggact tcagaatatg cttgttgttc gggaanggaa atgacactcc cnggttgtgg 360

acgtttgatc tcagatgcaa ctgagctgtt agtatttcga tctcc 405

<210> 14507
<211> 87
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-B4

<400> 14507

ggnttcgtct gngtccttca tcgcaaggaa ggtcttanag atttgcttcn gtttcttagg 60

tcacttcgtg gcttgatctt ttgggta 87

<210> 14508
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-B5

<400> 14508

ccnggtcana tcataanggc cgggcccacc ncgantccaa ntganagcng tttgtgccct 60

tcaagaaatc ganaganagc ttctttcccc cattttctgc gattcacgat atttcttctt 120

ctataggaca acgtttttt acacattgag gctaaaagag agatggctga tgatcagagt 180

tcaagtactg accgtctcgt gaaacctgaa agtttaaact cagatagagg atncaatcaa 240

tctattgaat cttctggaga gagttctaga gctcaagggt tccacaancc tgtctactac 300

caaatctatg gatggtaaga aaaccganga agaagagaca acgggacaaa cgcgatgttg 360

ntgatgaaga aggaaacgct canccaatcc ggttnaaagg gcgtanatgg ccaagangga 420

ggattccgtt aaaaaacccc naatnccccc tggntctgng taggggaca 469

<210> 14509

<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-G3

<400> 14509

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gcggcaatgt tcggcgtcag gagctttttc ttctcggcgg tgattgtgat actgttcgcc 120

ggccgttatg gagaagccac cgcagctgac agaggataca ttaagtacaa agatcctaaa 180

gtagcggtcg aagaaagagt agaagacttg ctgatacgta tgacgttacc ggagaaactt 240

ggtcaaatgt gtcaaattga tcggttcaac ttctcacaag ttaccggtgg tgtggccact 300

gttgtgccag aaatcttcac aaagtacatg atcggaagtg ttttgagcaa tccgtntgat 360

accgggaaag acattccaan ncgntttccn aacnnnaccc cnanaaaaaa tttgaccctt 420

cnacgaggnc 430

<210> 14510
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-E11

<400> 14510

agaatgaagc caatggaaca gtgtatgccg ataagaaatc tggtgaagag gatgagaggg 60

aggggttttt caaaaaattc tttaaggaaa aatctgatga caagaaagac attgtcaagg 120

ttgatgacgg gaatgaaagt gagggtgatg aatctccaga attttctctt ttcaaaagat 180

tattccgtat acatcccgaa gatgcaaaac ctacttcaga aaatgaaaat agcagcaatg 240

gcttagttga aagcagtcct gggacagaaa acttttccg caagttgttc agagatcgtg 300

accaatctgt tgaagattct gaactgtttg gattaaagaa acccaaggga gaancggcca 360

ggctcaccta aacagcggga tgatactcca tctggtaa 398

<210> 14511
<211> 498
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-E2

<400> 14511

nnngaacttn tacccgntcg gcacgcctca agaantcnan ggtcgaccca cncgtccngt 60

ttctctggtg ganacaaaga cataaccaga acacattctt tgatgttaaa gatgggaatc 120

atcatgagga agtttcactt ggaaacctga ggagatttgg tttcagggag cttcagattg 180

cgaccaataa cttcagcagt aagaacttat tggggaaagg tggctatgga aatgtataca 240

aaggaatact tggagatagt acagtggttg cagtgaaaag gcttaaagat ggaggagcat 300

tgggaggaga gattcagttt cagacagaag ttgaaatgat cagtttagct gttcatcgaa 360

atctcttaag actctacggt ttctgcatca cacaaactga gaagcttcna gtttaacctt 420

aaatgtccaa tggaancgtt gcatctcnaa ttaaagccaa ancngttcct taacggggcn 480

atagggaaaa nggatacc 498

<210> 14512
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-E4

<400> 14512

gngaantnan ccgnnggtag cctcaagaat ccaaggtcga cccacncgtc cgttgggacn 60

tgggagggaa gaagatctcg ttccctctaa gccatgaatc gtcgtaatcg tggctcttct 120

tcttcttctt ctagggtttc gaatacttat gggaaccgcc agttctctga taacccgagg 180

actggatccg gcggcggagt taatgaatcc tttcagagaa gatccgatgc accgcacaaa 240

cgaaacaatg aaaaagacga atcaaaacat aaagacgaag atcctgctga cgtttcattg 300

attgtaggaa cttgttcttc tatgtgccca gagagggaaa gagtcacaag agaacgcctg 360

cgtgatcttg cagtgtttga gangctttat ggaaacccct caaaatcatc cacaagagat 420

agctgtcnaa aagttttgca aaaacccttn aacgggggat ttnaaggcac cgnnnntana 480

acngccccaa tt 492

<210> 14513
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-E6

<400> 14513

nnnnacgtta naccgtnncc gctcggaacc ggtcangaan tcccgggncg acccacgcgt 60

ccngcagctt ggtggattta tatgcattcg aacagtcgag gcatgggaat ttcgctgata 120

tcgataagaa gatagtggaa actggtgaag atatcgtttt ctttggcaat aagagtactt 180

catggtctgg aaattctagt aaagggaact ccgggtcgaa aataaaggaa ccaaatgaga 240

ttcatcggct tgttgaaaac tctggaaagc atgacagcta taagggtagc attcttttaa 300

gatctgaaga tgtcgtagat acctcagcga actggagaga gtgttctgtt aagactcttt 360

ttcaatcttc gagaggggat gcgtcaaaca gttacaatct ggttagcagc tcggacaaga 420

gagagggaaa gaagaaggca gacattantg atgtnaaggt ggcaatcaag gaacaagana 480

atnangtggc aaganctt 498

<210> 14514
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-E8

<400> 14514

aacttttacn cngntnggcg ccgntcggaa ccggtcacag gactcccggg ccgacccacg 60

cgtccaaana agaacgatcg anagcgagag agagagtgat ggcggcagaa gagggtaaag 120

atgaggcggg attggatcag gtggaanaag agttctctat ttggaaaagg aacacacctt 180

ttctcnacga tcttatgatc tctcacccac tagaatggcc ttctcttact ctccactggg 240

ttccttcgac gccgattccg tactcnaaag atccttactt tgccgtccat aancttatcc 300

ttgggactca tacctccggt ggtgcccant attttctaat ggtcgccgat gtcgttattc 360

cgacacccga cgctgaacca gnattaggtg gaagacatca ggaacctatc gtccctaagg 420

tggagattaa gcagaagata cgtnttgatn ganaantnaa aatancgaag tnta 474

<210> 14515
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-E9

<400> 14515

ttaaaggaga gacagtggcg aaactgaaag ttgcgattaa cggttttgga aggattggta 60

ggaactttct taggtgttgg catggtcgta aagactctcc tctcgaagtt gttgtactta 120

acgacagtgg tggtgtcaag aatgcatccc acttgcttaa gtatgactcc atgcttggaa 180

ccttcaaggc tgaagtgaaa attgtggaca atgaaaactat tagtgttgat ggtaagctca 240

tcaaagttgt ctccaacaga gaccctctta agcttccatg ggctgagctc ggcattgaca 300

ttgttatcga gggaacagga gtgtttgttg atgggccaag aaccaggaaa ncatatccaa 360

gccgggagcc tcgaaagtta tcatcactgc 390

<210> 14516
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-F11

<400> 14516

agncngcngn cncgngnnnc gntncangnn tcnacactgn gtcatnnnaa gccgccgccg 60

ccgccaccgc caccgtgagt cttcgacatt tccgcagctt ccctactatt gtcccatctc 120

ttctcttctc ctcctcctcc tccatacctt ttcactcccc ccgtctctgc gtcttcctcc 180

gccctcgcca actcttcctt aaccgtccac tcgccgcaag tttcagttcc tcttcatcag 240

gtgctacctc tgattcgacc tacgacgtta ttgttgttgg tgccggacac gctggatgcg 300

aagcggcttt agcctctgct cgattaggag ctagtactct gcttctcaca ttaaacctcg 360

atngaatagc ttgggaancg ttgtaatcca gcagtaggtg gacaagctaa atcacaatta 420

gtacatgaag ttgag 435

<210> 14517
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-F2

<400> 14517

ngngnaactt cnacaccgna nggcacgcct canggactcg anggtcgacc cacncgtccn 60

gaangacaca cattanacaa aacaaaacan aaaccaaaaa aaacaaaaaa taaatggcaa 120

gaatttcact agggatatgt ctgatgttag tagtagcatc aagtgtgatc tatgaagcgc 180

aaggaacgtt cttactaaac cattacttga agaagaattt tccaaaaaaa tgcaacgagt 240

ttacgcctta cgctaacaag ggtatgataa cgttggtgac cgatctcgaa ggtagcagtc 300

cggccactac agagttcaag actttcttta cacagttcaa gtcttacatg tctttcatcg 360

agacaacatc ggcctcaaca aaaaatgttg atgccgagat gacagctaaa tgtgacggtc 420

ctttcaaggg catgtctgca atgaatgcca ntaaaagngt cnaatnaacc ggntncggga 480

attttnaaaa gccccagntt tnc 503

<210> 14518
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-F3

<400> 14518

gncncgcctc agggnctcga aggtcgnnnc nnccntctaa aatggntcat ctgatatttc 60

ttttgttagt tacaactatg tattttggga taaatgaagc ttgcaaaaaa aatcatgtag 120

taattcataa cgaaatcggt cctggtattg atctcaacat tgcatgccgg caattcagcc 180

caaaacgcac accttcaatg tttcacaccc taaagtacaa agatcctttt tacatcattg 240

agttcgcgga caacaatcag ctacctcacg gtgagaaatg gtattgtctg attagtcacg 300

gaacaagacc aaaatattgg tttgatattg aagtatatcg tcaaggctat tatcctcgat 360

gtggtcagct acgctcatgg attgctanaa aggatgggaa ttggnttaan agaaaatatc 420

nnantccanc aaggggnnnt tcnt 444

<210> 14519
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-F6

<400> 14519

nnggggngna ngttaccngn naccgntcgg aacggtcaga ggnctcncgg gccgacccac 60

gcgtcnngtc gagacagata gagagagctg aaatttctgt gagaagattt tcttccgaca 120

ttttctcttt ccaaacactg ttctacacgt agtcggaaat ctcggaaaaa ccaatctccg 180

agtcagagag agagagagag gcgttcactg ttgtaaagga ttaagctttg ggtaagaaga 240

agatgaagaa caagaccaat ttaggtctct cagtcttctt cttctttata tgtctcgttt 300

ccgtgacatc agatctagaa gctgatcgac gagctctaat cgcacttcgt gacggtgttc 360

atgggcgtcc attgctgtgg aatctaacag caccaccgtg tacttgggga agaatccaat 420

gtgagtcngg tcntgtcana acactccgat tanccggtgt ggggtttacg ggtccaatta 480

caatcnccan ccggaaccnt 500

<210> 14520
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-F7

<400> 14520

gtcnaaaata acanattttc ttcttgcntt tgagaaaaaa taattatata tttttatata 60

ngaaagggtt aatttattaa tanaaaanna taaaaagaag cagagaagag ataatgcang 120

gtggtaggct tttgacggtg ttggtgtgcc tcgcctccan ggtggcgttg gtgancgncg 180

gtgacccttа cttctactac acgtggaacg taacctacgg aaccgccgcg cctctcggaa 240

ttcctcaaca ggtgattctc atcaacggac agttccctgg tcctaaccta aactcaanct 300

ccaacagcaa tgtcgtcatc aatgtcttca acaanctcga cgagcctttc ctcttgacct 360

gnaatggatc cancacaagg aagaactcaa ggcaanaatg gggttaccgg gaacccnang 420

nccaatncca ncc 433

<210> 14521
<211> 287
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-F8

<400> 14521

naagtctcta aattnagtcg antcatttcc tttgtcttca atccanagct ttcctcttct 60

tggaaccaat ctgctctctt ttttattctg antttgacaa tggcggttgg tgaggtcatg 120

aggatggaga ttcncgccgg tgganatttg actgttacta ctccggagtt gcntgttctt 180

gccgtcgatg atattattgt ggatcgtaag agtcatcgag aggttgctta gaatctcntc 240

ntgtaaagtn acnactgtag agagtgganc tagggctttg nagtatc 287

<210> 14522
<211> 387
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-G10

<400> 14522

tttgtnaatt anaaaaacta atgatgctaa taaccaaaat caagagttga taaaggaagt 60

cacgtttgga gattctgtcn atagtgtttc gctggaggcg ttgaancagc cctctttaac 120

agctcacntc gtttcanatt cctaanttcn tctcaatctt cttcttactt aacttactat 180

ataagtctct gtttctctct gacaaaaata ttccaccacn taaaaagatg gntcaattct 240

tagtagaagg caacttcggc tctcaagcga anncaaagaa tccgttacaa gcaccgctga 300

atccgtcacg gcttcncnca ctgatgctga naaaaccgtt aancaaagcg ccaaggagca 360

ctcnaactga cgccgagaca ancgttg 387

<210> 14523
<211> 457
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-G11

<400> 14523

tctcngcccg nncggcacna gtcacnggnc tcncggnncg anncacgcnt cnncnctaan 60

tcatantagg cggtacggac gcgaaggaca ttctcgggtt gccgaagact ccactgtctt 120

taactcagga gaagaaatct cgaccccaga aagagtccca tagaaaaccc gatggcattt 180

ctcgcgaggt ttatgcgctt accgggggcg ttgcacctct tatgccttca attgatttaa 240

agcgccgtcc tcctgcagat gagaaggttg cttggaaatg gctttccttc acaaattctg 300

ctaggaaaga tgatttgcag ctttaccatt gggttagagt ggttaatgat gttccaccaa 360

caggtgacta ttcctttgcc aaatataaca agtcagttna taattttgaa ntacacagac 420

gaaggagtat gaagaatcat tttaacggat tctgtgt 457

<210> 14524
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-E10

<400> 14524

angnttnctn ggccngnnca ggcacnaagt cagngnactc ncgggccgan ncacgcntca 60

ncncacncgt cngganttca aacgatcaac aaacattttt atcataatca taatcagaaa 120

aaagtgttaa actttctcgt gagtttatat actctgctaa caatgctgtt tataatggtt 180

tttggttgtt tcttaagttt ctgtttaaat ttcggattct tctatctgga tcgttgttgt 240

tagcttctca acatctaaaa agatggattc ttcttactcc tttgccttgg ggacaagtag 300

ttctattttg ccaaaactca gtttcaggaa tgtagagaac agattttatg gtgagaagaa 360

caacaacaat ggtttgtgta aacgttttgg atcagatttg ggctccaaga anttaaggaa 420

tcaaaagttc aagcacggtg ttgtttacgc tgttgccact t 461

<210> 14525
<211> 455
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-C10

<400> 14525

antcnnccag nnacgnctca cngactncng ncncgtggnc cnntncaann cncaacagtg 60

agtcgtatta aatcgttttt ttttttttt gccaggcttc tctcactctc cttcgccgcg 120

gaatcgtctc tcggagccgc gaaaggactc ttagggttaa agattcttcc ccaaatctcc 180

ttctctcttc ctcagctgat ttcgactccg atcaattttc taggtgtttg aaggcatttg 240

aaaggatggg agacaatggc aaagatgaaa ttatggtcga ggcatctcaa tgcgctggtg 300

ctatggttga gataaagata aagacgttgg attctcaaac gtacacctta cgtgtagata 360

aatgtgtccc tgttcccgca ttgaaggaac aagttgcctc cgttacgggn gtcgttacgg 420

aacaacaacg cttgatatgt cntggaaaag ttatg 455

<210> 14526
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-C11

<400> 14526

tangtnantc tgcccgncag ncncaaatca caggncncnc ggnncnanac angnctcnac 60

acatgacgtn ctnctattgt ctaaaaatgg cgatgctagg tttttacgta acgttcattt 120

tctttcttgt atgcctattt acttatttct tcctccaaaa gaaacctcaa ggtcagccta 180

ttctcaagaa ctggccgttc ctcaggatgc ttccaggaat gctccaccaa atccctcgta 240

tctacgactg gaccgtcgag gtgcttgagg cgaccaatct aacttttttat ttcaaagggc 300

catggcttag tggaacggac atgttgttca ccgccgatcc aaggaatatt catcacatac 360

taagctcaaa ctttgggaat taccctaaag gacctgagtt caagaagatt cttgaaggtt 420

ttgggagaag gaatcttaac cgttgatttt gagttgtggg a 461

<210> 14527
<211> 58
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-C12

<400> 14527

ggncttctaa gcggaagctt cagtgactca ggccttgatc atatctctgt gtgactgg 58

<210> 14528
<211> 92
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-C2

<400> 14528

tgggtaatna gttgaaaacn gcttttcctg ctctgccgcc ggtacctcnt gagaangctc 60

ttcgtgctgc aatactcaaa gctcaatatg ca 92

<210> 14529
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-C3

<400> 14529

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ngatttgant tagctccaat ggtaattcaa ctcatgacag agaggaacat tcacctgcgg 120

ggtttggcac atcccatgct atttaagaat ctccaagact cattagtcga cacgaagatg 180

tttgacaaat ataagataat gggtggagtt ccagtctccc atttcaatat ctacaaacta 240

ctgcgtgaaa aggctcatgt gcttctgtat cctggaggtg tccgtgaagc tttgcataga 300

aaaggtgaag aatacaagct gttttggcca gaacggtccg agtttgtgag agttgcatct 360

aaatttggag ccaaaattgt tccttttggt gttgttggaa aagacnatat ctgcnaaatt 420

gtcctggant ccaaagatta aggnanatnc ctanccccaa agggntttan taaaaagggg 480

cccangggac cctggcaaca taggga 506

<210> 14530
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-C4

<400> 14530

nngnaatncc acgccggnnc ggtacgcctc ancnaattcc aaggtcgacc cacncgtccg 60

aaacgtcata tggtttaagc tctcaaattt ctccttcgat tccatcttcc tccggcttca 120

agtcgccgga tcttcttgat ttccgattca cttggctttc ctcttctctt ccttttaaca 180

cacgacgacg cttcatagtt ttttgttgtg attcaggaag aggtatgtaa ttcaggattt 240

tccggtgatt ttggtgggaa cgtttggaga aatttcgagc ttagtagtat tcgtaggaaa 300

gttttcttct tttatgattt gtagtttttg tggattaatg gttgaaggtg agaaatgggg 360

cttcgatgga tttgaaaaga ttttgtatct tcgtggaaat gaaatcgttg gagaatgcan 420

caagtcatcc caatcntaat cacagggttt gcntaagnac nttggngana ttgagaaatt 480

tnggggggtt aaacctnaga aa 502

<210> 14531
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-C5

<400> 14531

gggggnnntt gnangctctg cgctcgnaaa ggtcataaan tcncgggccg acccacgcgt 60

cnagcaatgg gctcttcntc tccattaaca aggagaaaca gagcaccacc atcctctgtt 120

tcctctgttt atctaatctt tctctgtttc ttcctctact ttttaaattt ctcaaacgct 180

caatcatcgc cggttttcgc ctgcgacgta gctgcaaacc cttctctcgc cgcctatggt 240

ttctgcaaca ccgttttgaa gatcgaatac cgagtcgctg atctggtcgc gaggctcacg 300

ttgcaagaaa agatcgggtt tttagtgagt aaagctaacg gcgtgactcg tcttgggatt 360

ccaacgtatg aatggtggtc tgaagcactt cacggngttt cttaaatcng ncccggnang 420

caattttnca anccaatttt cngggngnt 449

<210> 14532
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-C6

<400> 14532

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cccgggccga cccacgcgtc catataagca gccttgggtc ttttccaagg tttttgtttt 120

agccatggct aaacctccgt cctttggctg ctgcttcttc ctcttattct tctccttctt 180

atcttcttcc tttgtctcat ttgccctaac cgatacagaa gctgccttca ttgtgcagcg 240

acaactttta acgttaccag acaacgacgc tcgagtctga gttcgatcat aaggctcaga 300

tctctgaacc ggagttagct gcggagcacg aggaagtgaa ggagaacaag attactctgc 360

tagaggagct tcaagaaaag accgaggaag atgangagaa caagcctagt gtcatccaaa 420

agcttcaacg attcaacagc tcctcctccc ccttcancca atnaanaaag gttanggaaa 480

nnaagggaaa naanaanaaa ttttttaag ggaanggaaa 520

<210> 14533
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-C8

<400> 14533

gncgnnncaa gcgtctannc anacttctgg ggtttttgtg ttcttcgata ttatctctta 60

ttactattag gctattatna tcnccttatt ggggaaaaag cttcaaactt ttatataaag 120

tctcttcctt tttctttctt tctcggtgga atttgcagca atggaanata aaccattagg 180

gattctcagg gttcatgtna aaagagggat taatcttgct attcgtgatg ccaccaccag 240

tgatccttat gttgttatca cattgnctaa tcataannтg aagacgcntg tgattaataa 300

taactgtaat ccactgtgga acgaacaact gancctttcc atcaaanatg ttaatgattc 360

naaccgtccg acagtgtttg gaaaagaaaa aattcccgga aaanacaaaa ttggg 415

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<210> 14534
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-C9

<400> 14534

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tctgctaacg cgtccgctca aaagcacctt ccttttttt cctattcttt ctcatcatct 120

ttcttattat gaactaaaat aaatgttcag acaaaggagc catttctacc atttataatt 180

ttatattaca caactatatg tgtgtttgtg tgtgtgtgta gccgtgggga tttatatata 240

catataacat atattgacaa cctctactac tgtcatttag cctgcaaagc ccacaaacaa 300

agggctacac aagtcttcct tctctctctc cctcttcctc tctttagatg gaataatgga 360

tcaatgcttg taaaggtttg aaatttgatn aagttttgaa ngaancaant tgaagnaana 420

atnggaaaag agacgacatg gaggtggaga anagg 455

<210> 14535
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-D1

<400> 14535

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actgggatgc tgcaacagct gccaatttct tgaggaaata tggtcttatt gatgagttta 120

agctcaacat tgagtgtaac catgccacgc tctctggtca cacttgtcat cacgagcttg 180

aaactgcaag aattaatggt ttacttggca acattgatgc aaacactggc gatgctcaaa 240

ctggatggga tacagatcag tttcttacag atgttggaga agcaaccatg gttatgatga 300

gtgtcatcaa aaatggtggg attgctccan gcggnttcaa ctttgacgct aaactgcgaa 360

aagagagttc ngacctngga aacctnntcn ctgggcncan ttaagngaaa nggatanaan 420

ggcccgtgga ctgaaaaatn cat 443

<210> 14536
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-D4

<400> 14536

gngnanttag ccgnnggtag cctcaagaat tccaaggtcg acccacncgt ccgcccacgc 60

gtccggaaaa ccttctctct aaacttcttc gaaaatctca cagagcttct tcttcttcgc 120

ttttagggtt tttgctctat tgtttcgagt gacccaactt cgaagcttat agatcgttac 180

cttagaaaat ggtgggtatg tcgatgcagc catatggtat tcaatcgatg cttaaagaag 240

gttacaggca tctctctggt ctcgacgaag ccgtcattaa gaacattgaa gcttgcaagg 300

agctctccac cattactcgc acctctctcg gtcccaatgg aatgaataaa atggttatca 360

atcatttgga caaactgttt gtcacaaatg acgctgctac tatagtgaat gagctccaag 420

attcaacaac cgggtgctaa aacttctggg gtttaactgn naaaggncaa accannaaaa 480

attcggngaa anggnnct 498

<210> 14537
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-D7

<400> 14537

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tgagtcgtat tacttttctc cgtcactgag taccttgcct ctcgagctcc caatcttaag 120

gtacaattga tcttcactat agtcgttcag aatctgatct gcttatagaa atattcagaa 180

gtgtgagata gctgctaatt ggtctttact ttgtttttt ctcttgcttc acatcagaaa 240

atttaggatc ttagagcttt tcatagtgaa cttaagaacg cttttcgaat tagtcagtct 300

tagctctatt ttgtctgtgt gtgtattttc tggacacgag acctttgttt caatttctat 360

aagtgatttc ggtttacatt ttaaaagctt gatttaatcc cattgaaata aataatcaan 420

gatgaataaa tcngtgcaat tggnacnaaa tttttanngg cnttgcnaan ttaatttaac 480

ccnangcnct 490

<210> 14538
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-D8

<400> 14538

ttgaaggaac tcaactctat ttacactcaa actagccgag atcttgctga agcgaagtta 60

gagatcaaac agcagaagga agaactcata agaactcagg agtgaattgg actcgaagaa 120

ctctgcgatt gaggagttaa acacaagaat aacaacttta gtggctgaga aagagagtta 180

tatccagaag cttgatagta tttcaaaaga ttatagtgct ttgaaattga cttctgagac 240

gcaagcagct gcagatgcag agctcatcag caggaaagag caggagattc agcagctaaa 300

tgaaaatctg gatcgtgcgc tagatgatgt taataaaagt naagacaaag ttgctgactt 360

aactgagaaa tnccaagact ccaagagaat gccggnttan aactggctac agttaaaant 420

tngggaaaat gactt 435

<210> 14539
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-E1

<400> 14539

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cgtccgcttt tgtctaaaaa tggcgatgct aggtttttac gtaacgttca ttttctttct 120

tgtatgccta tttacttatt tcttcctcca aaagaaacct caaggtcagc ctattctcaa 180

gaactggccg ttcctcagga tgcttccagg aatgctccac caaatccctc gtatctacga 240

ctggaccgtc gaggtgcttg aggcgaccaa tctaactttt tatttcaaag ggccatggct 300

tagtggaacg gacatgttgt tcaccgccga tccaaggaat attcatcaca tactaagctc 360

aaactttggg aattacccta aaggacctga gttcaagaag atctttgatg ttttgggaaa 420

aagatcttaa acgttgnttt gantttgggg aagngatttn ggaattcant cacncnatat 480

ccaaantcaa nt 492

<210> 14540
<211> 105
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-C1

<400> 14540

atcaccganc tancttaccg gagagtttcc cggagactac gggtgggaca ccgctggact 60

ttcacctgat ntcgagacat tcccaaggga acgtnagctn taatt 105

<210> 14541
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-G3

<400> 14541

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tgagtcgtat taactcttta gctgtttata tttagagttg agactaattc ggcgttgcgc 120

accaacctaa cttcggttct acttcacaca caaaactcgt gtcgtctctt gttanaaang 180

gtctctttgt ttcagtgtct ttggtctcgt gtttgtgtag agatggagaa caagaccgat 240

aatggaaacg aggatggtcc aataatacat agccaagttg agaagataaa gaaagagttt 300

gagaatataa gacaaccgtc gctgcagcaa ccggagatga agagggttct tagcgagatc 360

aaaaggcgtc aacgttcacg ttctcctctt ggtttanggg agagatntat ttccgttggg 420

aaatgnttca tgtttgncct taaannncaa agaaaantgg ttgcaaaagn ngagggtaaa 480

ggnggtttt 489

<210> 14542
<211> 414

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-G5

<400> 14542

tcnnacaggt catgggtctc gngggncgan acacgcgtct nctattttnc ttcttnatta 60

tatcataatt ccanatttcg caaactaatt ttttcacttt cttcttcgtt gatctctctg 120

aaagcttctc ttcttcttct caccatgtct ggttatcctc catcaagcca aggttacngt 180

tacggcggta atctaccacc tcctcagcca ccgtacggat caaccggcna tanncctcct 240

ccgtacggat catccggcag caatcctcct cctccgtacg gatcatcagc ctcctcaccg 300

tacgcagttc cctacggagc tgatcccgct ccttatggtg cagcatcgtc atcaccgtac 360

gcgtctcttc cangaggacc atattaagcc gcatnangga anaaanctca agng 414

<210> 14543
<211> 219
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-G6

<400> 14543

aaangcaacg gacagatgcn tgccatcaat gagattttcg agaagaaccc aangaccatc 60

aagaactacn ggatctggtt gcgttatcan agccgaactg ggtaccacaa catgtacaag 120

gagtaccgtg acacaacact caatggtgga atggancaaa tgttcactga aaatggnctc 180

cccttaaaaa attggggttc ccttgcatcc cnnttnanc 219

<210> 14544
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-G7

<400> 14544

ggngnanctt agaangcccc atncgntcga anacaggtca tagaactcgc gggncganac 60

acgcgtcaag agcttctctc tgaaaangtc acttcctctg acccttttat ctaagctcaa 120

cgctgcaact ctcgccgtcg gttacttccc cattttcctt ccttcttccg attcaaagac 180

tcaattttta ttctccggcg ttgaggattc atctcctaaa aatctctgct ttatcttttg 240

atttgagctg atttggagag gagaagaaga tagatagata ggtaattcgg attgatatct 300

cgaaaaatgg ctcagattca gcatcagggt caaaatgcca atggtggtgt agctgttccc 360

ggtgctgctg cggctgaagc tgcggcggct gcggctggag ctgcggcggc ggctgccgga 420

gctgcgcaac aagggacgac gtctttanan gtcggtgatn tggaatccaa cgttaaaggg 480

nccaaanttt tntg 494

<210> 14545
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-H3

<400> 14545

gcacgnccca nncactcgca aggncgaccc aggccgtcna ttctccnaan nnattaagtc 60

cttttaagca aattaatccc aangattgan actttgtttt cctgagattc ttcttttact 120

tcactgtttc tgggttttgt aatttgatgg tgatggatga taaagataaa tatcgcgaag 180

tagtagaaca ttggtcttgc gaaggtactt ctccagctct aatggttgga gattctactg 240

agataacaga aatgctatca ccgagccaac atcaacgatg gcnaggcctt gtgttagata 300

tacaatcgag agaagctcat ggcgatttct tgagaagcaa atggttcctt aattcatagc 360

cccgtttcca aaaggttcaa gttttctcca atgtccaacc ctaaaactgg ganacntgtt 420

ggntnnatga gtcccttccc ggccaanaac nnnna 455

<210> 14546
<211> 131
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-H4

<400> 14546

tcggnttcnt tcaattcatt catgaacagt tacctcctcg ttttcgtatt gctgatggct 60

ggggattggc ttcagggtcn ttatgtgtan tanctttaca gcacttatgg ttttggaaat 120

ggagatnttg g 131

<210> 14547
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-H5

<400> 14547

gcncnanncg ntcgactcag gtcngggnct cgngggncga nacangcctc taaaatnagg 60

cntnaggtca aacagaaata acgacctaaa gctatgttta aagcttagca gttctccaca 120

tatatttcaa tatataaaaa gattacccct ttttaaaaaa taaaatagat atttgttttc 180

cgtaaaagaa aggggtaatc aaataaaatg gagacggcta ggcttttcaa attagtgtgt 240

gtgatatgta ttgccagttt gattccgacc atacgagcca atgttgctga tgagaccgat 300

gagtattggg taaacaaggc caatgaagct cgtaaacata cccttatggc ttatcatccc 360

gacccttatg agatcgtcga ccacttccac gagcgtcatt acgacaactc gactgacgtc 420

naagggaacg angaanaaaa agngggtccc tttcnaagga aaaggaattc ntttnaaana 480

t 481

<210> 14548
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-H7

<400> 14548

ntccannggn cncncgggnc gtccnancnc tcnagagtna gtcttannat acctgcactt 60

tgctctgtaa catcgtcaaa tctaactgga ggttcctgtc cagtaacaga tgtcacaacg 120

ttcgagaaag ttgttaacag tagcaaatta ctggatgcct gtcgcacagt tgatcctctg 180

aaggagtgtt gtaggccaat ttgccaacct gcaattatgg aagctgcgct aattatttcg 240

ggacaccaaa tgacagttgg tgataagatc cctttagcag gatcaaataa cgtcaacgca 300

attaacgact gcaanaatgt ggtgttttca tatctttcca ggaagcttcc cgcagacaaa 360

gcaaacgctg catttagaat tttatcgtcc tgcaaagtta acaaagcttg cccgttggga 420

tttaagggnc ccaanggaan tnnttaaggg tngccntaag gt 462

<210> 14549
<211> 75
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-H8

<400> 14549

ggcattgctg gaagcccttt aatgnctcca ggntgtgaat ttgtaaaaga attttagcat 60

gctgggctga nggaa 75

<210> 14550
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-101-Q1-E1-A1

<400> 14550

tgngtaattc nanncgnang gcacgntcgt ccggnggcna caggncgnnc gggccgncta 60

aagcgtcnaa aaacacaagc gtanaaaaca aaactcaact aattgtgtta tcacccaaaa 120

gagaagagca aacacaatgg ctttcgcttt gaggttcttc acatgctttg ttttgacagt 180

gttcatcgtt gcatcagtgg atgcagcaat aacatgtggc acagtggcaa gtagcttgag 240

tccatgtcta ggctacctat caaagggtgg ggtggtgcca cctccgtgct gtgcaggagt 300

caaaaagttg aacggtatgg ctcaaaccac acccgaccgc caacaagcat gcagatgctt 360

acagtccgct gcaaaagggg ttaatccaag tctagcctct ggccttcctg gaaagtgcgg 420

tgttagcatc ccctatccca tctccacgag caccaantgg gccaacatcn natnaattgg 480

ggaaaaacac aannctttc ccnaaaaatt tgggntt 517

<210> 14551

<211> 96
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-101-Q1-E1-A11

<400> 14551

ngctgagaac natgcttgca agtgtggatc tgactgcaan tgtgatcctt gcagctgcac 60

ctgaggaagc ctttttccan aacgcatgag ataatc 96

<210> 14552
<211> 375
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-101-Q1-E1-A2

<400> 14552

agnccggnta cggtcatagg nccacgggcc ganccangcg tcnacaataa acccttcatt 60

ttaagcattc tgtttccttc ttgagaaacc tagatatttt ggtttcttgt atcnggtgat 120

gaagatagag tgtgatgtgt gtgagaaagc tccggngacg gtgatttgtt gcgccgacna 180

agctgctctc tgtcctcaan gcgacatcga gattcacgcc gctaagaaac tcgctagcag 240

gcaccancgt cttcatctta antcnctctc caccaaattc cctcgttgcg atatctgcca 300

agagaangca gctttcattt tcngtgtaga ggatatagnt ctgctttgna gggactgcga 360

tgaatccanc cacgt 375

<210> 14553
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-101-Q1-E1-A5

<400> 14553

aatttatact gnacggcaca gcccanngnn gccacaggnc tcccnggccg nctaaagtna 60

gncgnaanaa aacactttgt ttcttctaaa agctctttgt cttctttgtt ttaatgtatg 120

cttcacatta gcttccgacc ctgatcccat ccaagacttc tgcataccaa aacctgtgac 180

atctccttac catgaccatc acttctccac caatctccct tgcaaaaact cctccgaagt 240

aaccaccgaa gattttgtct tttccggtct aaaaactgcc ggaaacttca cggagacggg 300

gttcgccacc gtcccagtag gcccagaaaa cttccccggc cttaatacat tangcatctc 360

gtttgtccgg gctgatttca aaaccggatt caataaacca ncacattntc attcgcgggg 420

nnaaangaat ttcccnnatt gggtaaaggg gaggggtnaa cccggggttt ggggacccca 480

aaaaatangg ttaccccaaa gttgatggaa 510

<210> 14554
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-101-Q1-E1-A7

<400> 14554

nncntctngn ctnnnncctt ctntctatca cactactact actcacatca tggctttctc 60

cactagaggc tccctcttat tcttcttcac tacacttgtt cttctctcca cccaaatcca 120

tgcaagagac agttacttct ttggaaaatt ccacagagaa tcccccaaag atcaaaaccc 180

taacagtttc atccctcttg agactagcga gaaaaccaca gtagaagaat ccgtcctcaa 240

caagaaagag caagaacaag atcctacctt tgtccccgag tccggaaacg ggtatggctt 300

gtatggtcac gaagaccaca tacaacaaca acaacgacaa caaagaagag ttnaacaaca 360

acaacaagaa cganggaaaa gtcnnnaggg gngagttttt ccaaacncaa gncctgagcg 420

anacngaa 428

<210> 14555
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-101-Q1-E1-B11

<400> 14555

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gnatcctagt atccgtttta ctcgacatcg ttccgacgac ttttgacctg gaatcgacgc 120

agtgacttca attcaactat tgcacttggt ttgttggcaa tggacaaagg agcacctcct 180

agtatttttg tgaatgatgg gtcattcatg gaaagattca nacagcttca acaggagaaa 240

gataaagaca aggataaggt tgtccaagtt gaggattcta agccggtgaa gattatatca 300

aatcccaaac ctgctgctaa taaaatttcc attggattaa agcccaatga tgcccagaag 360

aaaggtggta agcttgcttt cagcttgaag caaaagtcta agcttcttgc acctcctgtg 420

aagcttggta cagaanaaga tgaagganaa gaagaatgtt aaacccatga c 471

<210> 14556
<211> 284
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-101-Q1-E1-B12

<400> 14556

anncaagcct ctatngtgnc tcgtnatana ttnaagctng nnggcangca gatcanacag 60

gattcaagct tacgtangcg tgcatgcgac gtcatagctc ttctatagtg tcacctaaat 120

tcaattcact ggccgtcgtt ttacaacgtc gtgactggga aaaccctggc gttacccaac 180

ttaatcgcct tgcancacat ccccctttcg ccagctggng taatagcgaa gaggcccgca 240

ccgatcgccc ttcccaacag ttgcgcagcc tgaatggcga atgg 284

<210> 14557
<211> 67
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-101-Q1-E1-B2

<400> 14557

ggggtattaa acaangattt gccttcagcg attaaaaagt tgggttctaa naaanagcct 60

ganaatg 67

<210> 14558
<211> 78
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-D9

<400> 14558

nttgtgttat cgaaattgtc gtttttacaa gggcgcgaaa ngtggaaaat gcgacggtct 60

taantgcttc tgcgactt 78

<210> 14559
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-E1

<400> 14559

ngnnnctctc agggncaagg nctcgtacag tcgtnncagg cctctagntt naagtngnat 60

tagcttccga ggctgacatg ttactgcaag atctccaaag tagccttaac aaacaggaag 120

agaagcttat tacatttgca cagcagcaac ggaaggcaca ctcgcgagct gtggatacag 180

caaggtcagt ttcaaaagta acagtagaat tcttcaagac tctagacaca catgctacca 240

aattaaccgg gatagtagaa gaggcacaga cagttaacca caagaaattg agcgaatttg 300

aaaacaagtt tgaggaatgt gctgcaaatg aagagagaca attgctagag aaagtancag 360

agcttcttgc aaattctaat gctangaaga aaaaccttgt ccaaatggct gttcacgatt 420

tangccnaga nacnattccc cnngnaattt gttnccctan ggcatga 467

<210> 14560
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-E10

<400> 14560

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ntcnaagctt cnnncctatn atattgaccc ttttgatctc tctctgtctc gctttcttcc 120

tcgcgtggac ctttttcnaa naatatcaat cccagaattt cgcttcattt tggattanaa 180

actcccagat ctgctactct ctatctccga ttttgtgatt tttcaaaccc tacatttctc 240

cggaagagtt tagtttttc tctgtancta naccgagatt ttttttttcaa aattccgaca 300

ttancctagg ttgtgtatta ccgtagaaaa ccctaagttc ctttttggta ttcttggtgt 360

acagatccct tccttagtca gagtttttgg ttattantgt ttagaggttt gtgatgaaca 420

atcgaggaag gtaccctcct ggaattggcg ctgggccgtg gaagccttta ancccgaaac 480

cta 483

<210> 14561
<211> 93
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-E12

<400> 14561

ggncgaatct ccgacgaact ccctcngca ttcaaagtag tccagcnact aanatcccaa 60

ggaatcacgc gagtcaaaat cttcgacgca gac 93

<210> 14562
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-E5

<400> 14562

agaggnctcg nnggncnata caagnntcta tntcgnnncc tctcacatcc tccaattcat 60

cgtcctcacg ttccctttg tttattcatc ttccttcctt cttcacattt ctgattttct 120

ctatttgggg ggtttgtttc cacattatac atatctaggg ttttgagatg gttaattgaa 180

agataatggt cgaagtttcg gaggaattgg cttcacattg tgggtgtttc tggcttcctc 240

aggtttaaat ctgaggttga tctcttttgt tttttggtaa attgtgacat attttggctc 300

gaagaagaag aanaagaggc aatgagcgca tcaaggttca taaagtgcgt caccgttggt 360

gaaggaactg ttggtaaaan ctggttgcna atttctaann caagcaacaa ctttncaaag 420

ggntaagttc cnaatggttt tcnaaaantt aag 453

<210> 14563
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-E6

<400> 14563

ggnnannttg ntagnnccnt acgggtcgac ncaggacngc nggactcgng ggccgataca 60

ngcctcnana gtgantcgna tgagcgtgtg ctctccgctg gttccttaga acaatcggca 120

cacgcttttt catttcaatc ttcttcttct actcttaagt atctcaggtc tgttgagaga 180

tggcagatcg attgacacgt attgctattg tgagttcaga ccgttgcaag ccaaagaaat 240

gtcgccaaga gtgcaagaag agttgtcctg tggtcaagac aggaaaactt tgtattgagg 300

tgactgttgg ttccaagctt gcttttatct cagaggagtt gtgtatcggt tgcggtattt 360

gtgtgaagaa atgcccgttt gaagctattc agattancaa tcttccaaga gacttggana 420

aanatacgac ccatcgttat gggggcaaaa cacttttaag ttacanaggn tcccaatttc 480

aanaacaagg gaaggggcaa gg 502

<210> 14564
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-E7

<400> 14564

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tnagtcgtan tactagccgc tcatcttccc tccgcttgtc atatcacggc tcctaacatc 120

actgactgta tttcgattct gcatctacct cgtaactcaa cattggctaa agagtttgag 180

aacttaggaa ggattgaaga caactacaac tccanatctc ctacacaaat tcataaagat 240

gggacaggag gaggaaaagc cgaaccagtg aagagtaatg gatggaagga gaagagttgg 300

ttgggtgttg agcttttaat atatttgcta gtttctctca tcttctttta attacttcct 360

ttctttaatg ttcctttgct ttattattac aataacttat aanatatcta tttaaatang 420

agacacatgc atgtgttttg catttaaant gcctgntaan nngatttccg gggtaaattt 480

taaac 485

<210> 14565
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-F1

<400> 14565

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tcacnangta naaaccttag ctcacctcca tggcctctcc tccttctcct cctcctctct 120

tctttcacct ccggcgaatc ctctctgtcc gcagaaaaaa acaaattgca caccggtggt 180

ctcagtagac agagttttcc taaaggattc gtgtttggaa ccgccacgtc agcttatcaa 240

gtcgaaggcg agactcatca agacggtcgt ggcccaagca tttgggatgc cttcgtcaag 300

attcctggga agatcgccaa gaatgccacg gctgagataa cagtggacca gtatcaccgt 360

tacaaggaaa gatgtggatt tgatgaagaa actgaacttc gatgcttaca agattttcca 420

attcaagggc caagataatc ccctgaaggg aattgntaan tttcancngg aaagggattt 480

gcttattaca atagat 496

<210> 14566
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-F10

<400> 14566

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agntganntn gtgtcatctt cgtcttcttc ctccgaaact ttttttttgtt tttcaaagtg 120

gtggagctaa ccatgaaatc gactcaccat cacagagctc cactaatatc tgcttcttcc 180

tcatcttcat cttcttccca aaaccattca ttcgtctcta ggctcctcct tctccttact 240

ctacttccag tttcccttgc ttgtctcgcc tttatcctcc aatggcgagg cggtggtctc 300

gccgatcctg cctctgcttc tgttcgttcc tctacgtcgg ttcctggcgg ctccgatctc 360

aatcacgagg tctttcccgg catggagact gtttcatctg tctccccaaa gtctcaccaa 420

tcctcctccg aatgctcaaa tctagctcgc aagctccttc tccttccttt ccctaaca 478

<210> 14567
<211> 62
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-F4

<400> 14567

tcccttcaac gcctgagaaa ccctcaaaag gtcccangtg gangaggagt catcgttgct 60

ta 62

<210> 14568
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-F5

<400> 14568

caggnctcgt ggnncgttnc angcctctan agtnnctcgt actactgctt catcatttga 60

acttcgattt aagggttctt gaattttcga ataaaaatct caccttaaa tgggaaagcc 120

aacggcgaag aagaaaaatc cggagacgcc aaaagatgct tccggcggcg gcggcggcgg 180

tggaggcaag tcagggaaaa cttaccatcg ttctacttcg agggtatttg acgaagatat 240

ggagattttc attagcagag cacttgagct caaagaagaa ggtaacaagt tgttccagaa 300

acgcgaccac gaaggtgcga tgttgagttt cgacaaagcc ttgaagctct tgcccaaaga 360

tcatatcgat gtancttatc ttanaacgag tatggcttcc tgttatatgc aaatgggaat 420

angttantnt cccaatncca ntnacnaaan gnt 453

<210> 14569
<211> 175
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-F6

<400> 14569

gtacnatgtc ggtgtacgac gctgctttcc ttaatacaca gctttcnana ncgacatcga 60

tttttggtct ccggcgatgg gtcgtgatcg gaatcttaca tggatctcta attgtcatcg 120

cactctttct tctcncccctc tgcttaactt cnggcnggaa aaatcgaaag ccnag 175

<210> 14570
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-F7

<400> 14570

cnnacggntc gaatcagntc ncaggnctcg cggnncgnna cangcntcta ggctanttnc 60

ngntnctatg atggtcatgg aggagttaaa gcggctgagt ttgcagctaa gaacttagat 120

aagaacattg tagaagaagt agttggtaag agagacgagt ctgagatagc tgaagcggtg 180

aaacatggtt acttggcaac agacgcgtcg tttcttaagg aggaagacgt taagggtggt 240

tcatgctgtg tcacggctct ggttaacgaa gggaaccttg ttgtgtctaa cgccggtgac 300

tgtcgtgctg ttatgagtgt aggaggtgta gctaaggctt tatcttctga tcaccgcccg 360

tctagagacg atgaacggaa aagaattgaa accacgggag gatatgttga tacgtttcac 420

ggtgtttgga gaatccaagg atttttaact gtgtcnanan ggaatttgna nanccc 476

<210> 14571
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-F9

<400> 14571

ggnngtaagn tttnaacnct caccgttcgg nannggtctg ggaactcncg ggccgaccca 60

ngcgtcnaca caaatgtgtc cattttatta ggcatgttgg tgatctttgt ttcaccaatg 120

gtgttcgcag atgatttgac accaatccca gagggcaaac cccaagtggt gcagtggttc 180

aatacccacg ttggtccatt ggctcaacgt aaaggcttag atcctgctct cgtanctgct 240

gaggctgctc cacgtatcat caacgtgaat ccaaagggag gtgaattcaa aacactaaca 300

gacgcaataa agagcgttcc cgcagggaac acaaagcggg tgatcataaa gatggctcat 360

ggtgagtaca gagagaaggt cactatcgac aggaacaaac ccttcattac attgatggga 420

caacccaatg ccatgcctgt tatcacctac gaangtancg ccgccaagtn tngaa 475

<210> 14572
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-G1

<400> 14572

gnngnanttn tacncagnnc tgcacagccc aaggantcgc aaggtcgacn cangcntcnn 60

ctctttctct ctttctctcg ctctctatct ctctctcctc tgtttgttat atcaattaat 120

caagaagatt tcttgtgttt ttttttttt ctgttaaaga agatttcttg ggagaaaata 180

aggtggattg aaggattagt ctttaggaat ggtggtggag gaggagaata gaagcatgga 240

ggaaggactt cttcagcatc aaaacgacag agatgatcgt cgtatcacag cttgtgtcat 300

cctcagcact tttgtcgctg tttgtagtgc cttcagctac ggatgtgccg ctggttatac 360

ttcaggcgct gagactgcta tcatgaagga gttagacctt tctatggcac aattttcaac 420

gtttggctcc tttccgaaag tnggaagttc cgtnggggggc ctngtnaanc ggncaattgg 480

gaattcaccc c 491

<210> 14573
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-G10

<400> 14573

nnngngtaat tcnaaactng ncncgctggt caggncanag tcaaagggcc gatgnacgnn 60

tcnacangtg nttcttgtta ctcancttct tcttcttctt ctccatcaca gactcataac 120

aaatgggaga agtttcagtg gtggagaaca agaaagtgat actaaagaat tatgtagatg 180

gtattcctac agaaacagac atggaagtga aactcggaga aacaattgag ctaaaagcac 240

caaaaggatc ttcttgtttc ctcgtcaaaa atctatactt gtcttgtgat ccttacatga 300

gaggtcgtat gcgtgatttt cacggttcct atctcccgcc ttttgttcct ggccaacgta 360

tcgaagggtt tggtttagca agagtgatag attctgatga tactaattat aagcccggcg 420

atatagtctc tggtatcatt ggttgggaan aatacagttt gctacgttat ttaagataac 480

c 481

<210> 14574
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-D6

<400> 14574

gngnnttngc tngntcntac gntcgaatca gntcngggnc tcgtggntcg ntacangcct 60

ctagnatgag tcatgtnata aagcttttgt tcgactcgtt tatcagatgg acgatggagt 120

agagcttcgt ttcactcgtt ctattactag cgctggtggg agtgagtacc gtattgataa 180

tagggttgtg aatttggatg agtacaatgg gaagctacga tctcttggga tacttgttaa 240

ggctcgtaat ttcttggtct ttcagggtga tgttgaatct attgcttcga agaatccaaa 300

agaacttact ggactcctcg aggagatttc tggttccgag gagcttaaga aagagtatga 360

aggactagaa gaaaagaagg ccagcgctga agaaaaagca gctcttatat accagaanaa 420

gaaaacaatt ggaaatgaga agaaactgaa naaagcccaa nagggagaaa ctganaaacn 480

ttctaagggt gcagg 495

<210> 14575
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-C10

<400> 14575

nnnngggnng ngtaattcna ncnntcggcg ncgtcagagg nctcangggn cgangnacgc 60

gtcnnctctc anactgacta ttcgtcgctt cagatctaaa agagaggaag ataaaccatt 120

tggattcaat atcgattaag gaaacctttt gacttcacaa gaatggcagt gacagaagca 180

gaaaatcctc ttcttggtga aatcacttgt ggcaccttac tacagaagtt gcaggaaatc 240

tgggatgagg ttggggagag tgatgaagaa cgagacaaac tgcttctaca gattgaggaa 300

gagtgtctga atgtttacaa aaagaaagtt gagctagccg caaaatctcg tgcagagctt 360

cttcagactt tgtcagatgc cactgttgaa ctttccaatc tcacaactgc tctcggggaa 420

aaaagctata tcgacattcc ctgataaaga cntcanggac gattaaagga caactttcng 480

ca 482

<210> 14576
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-C11

<400> 14576

ggngnaattn tnaacnntca cgcgnncagg nacggtatgg nactcccggg ccgacccacg 60

cgtcnanccc acgcntccgg agaactgagt tcaacatttt atcaggcact tcgatggcgt 120

gcccgcacgt gtctggtcta gctgctttgc ttaaggcggc tcatccggat tggagtccgg 180

cggcgataag atcagcattg ataaccacgg cttacacggt tgataacagc ggtgagccga 240

tgatggatga gtccactggc aatacatctt cggttatgga ttatggttcg ggtcatgttc 300

acccaaccaa agctatggat ccgggattag tctatgatat aacatcttat gattatatca 360

acttcttgtg taattctaac tacactagaa ccaacattgt gacaataacc cgtcgccaag 420

cggactgtga cggtgcaaga cgagcgggac acntccggaa tttaaactaa ccct 474

<210> 14577
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-C12

<400> 14577

nngngtaatt cnanccnntc gncgccgtca gggncncaag ggccnntgca cnnctctaca 60

ttgaatcnta ttatcgtttg aaagggctgc cgcctgtatg gcgcgcgcca ttatcatact 120

accaacgaaa ggtgatcggt atgaagttga tacagacgca tttctttctg tattggccct 180

tgaacctata caaaagatgg aatccatccc aaccattgta gaggtatcaa gctctaatat 240

gtatgatctt ctcaagtcca tatcggggtt gaaagtggag ccggttgaaa attctacatc 300

caaattgttt gtccaatgct cacgtcaaaa ggacctgata aagatctaca ggcacctact 360

aaattactca aaaaatgtat ttaacctttg cagcttcccc aatctaactg ggatgaagta 420

tagacagtta agactggggt tccangaagg ttgttggccg ttggaattta aaaa 474

<210> 14578
<211> 367
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-C2

<400> 14578

gaaggacttg ccctaaagaa cgataccgtc aatgtttgga tctttgacct agacgacact 60

ctcctctcta gtattcccta ctacgctaaa tatggatatg ggaccgagaa cacagccccg 120

ggggcgtact ggtcgtggtt agagtccgga naatcaactc caggactccc gganaccttg 180

cancnataca aaaaccnctt ggaactcggn attgaaccca tcataatctc tgacagatgg 240

aaaaattgtc agaagtcact gtcgagaatc tcaaggntgt tggtgtaaca aagtggaacc 300

atcncatact caacccaaan ggtttaaatt tgacccaagt ggtgtanatt caaanggtta 360

gggaana 367

<210> 14579
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-C4

<400> 14579

aacttcnacn ccgnnnggca cgnnccanng gactcganng gtcgacncac ccntcnacga 60

gncncnnggg cgnacgcgtg gggttcgctt gctgaatttc tcgtctagtg gaaatgagta 120

tcgcctgaaa tggggagtct ttcccccaca atcttccgag tacatttcca acactacggc 180

attgaacata atgttgcttc tgaaagaaaa ccggttacgc ctacctggac aatttggaag 240

ctacaagttg ctagaatgga aagctgagca aaagaagaaa cagagctggt gggagaaaca 300

cttacttggt gtggtgggag gagcgatgat atcgttgctt gttacttcgg tgatgatcaa 360

acttgcattg gtgtggagac ggcgaaagca agaagaagct acttatgaag cctgtaaatg 420

ctgctattaa agaacaagaa cttcancctc tctcctccga aacattcaaa ngccnaaccc 480

cctnataatt catagng 497

<210> 14580
<211> 376
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-C5

<400> 14580

ntacaannen ctanagtgag tentatnagt aatttcccgg caacggaaga gaggaggagg 60

aagagtgtaa gcaataaatt cctcttcttc tacgaaacat ttgctcttct cctctttctc 120

ttctcttctc ttctcntttg cttctccgat tctcttcctt ttttttagtt tgatccgact 180

actcaagctt tttttctgtt catggnttcc tccatcatcg cagttgcaga aggcaaaaag 240

atggagctag aacccaataa atcactatct gctgatatgc catctntgnt gantacatna 300

tcngaagctt ttaaaggagg cactggatat cgttcttcan gtgatctcan catgttctca 360

agctnattgc ccaaac 376

<210> 14581
<211> 324
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-C6

<400> 14581

gcctcctcgc aacctcgtct ccacgatgan ggagtgacac gtttggtgat ctttgtcttg 60

tcnatgcttc ttgtgatgct tctgtcatag taccanaact aagccggatc cagtcttctc 120

ttataccggt ttactagtca ataggtgtgt ttgtgtagat caaactggta cagtcagnta 180

caaaagtcgg atgttgncat gaccggttca agtgtatgag ttgttgaggt ataagtttcg 240

gaaagtcttt ttatctttat tgatttanga ttcttgaaaa nctttttaat gtanagaaaa 300

ggncctgnan gggttaaaac ntta 324

<210> 14582
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-C7

<400> 14582

ggaattntag cagnnccnat ncgnncgaac tcaggncacn gnnctcgngg nncgatacan 60

gcctctagat tcanccttaa tatcctctgt tgatctatcc aatcgaatct tacgaaaatt 120

ttcgagtgaa gatgaggtcg cttcaagcac cggttgtttg ccctagtgtt cgtcccagac 180

aattgggtgt ctctgcttta cttgtcaact gctctgtttc gaaaactagg agtctcagaa 240

aacaattctg gggtaaccag accaaaaatg acaagtctca ggctgctaca gtgaatcttc 300

gtctgcatct tcggaggtat aagagtatca aatgtctttt cagctcgcac tctgatggta 360

ccggaagcac agcagagaat ttcaacgaga acgatgagga ttatgtcaag tctagtgtat 420

tggaagctgt tgaggtaaaa agtggaccaa atggnttcaa ggngaaaatt taagggntgg 480

aagngaantt nctnt 495

<210> 14583
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-C9

<400> 14583

aattcnaaac nntcggcgnt caggnnaang tctnnggnct cnngggccna nncaagcntc 60

aatcnnaata nctgttnact tcacatggct tccaccgccg caactgcagc tctttcgatc 120

atcaaatcca ccggtggcgc cgccgttaca cgctcctccc gcgcctcctt tggacacatt 180

ccctccacat ctgtctccgc acgtcgcctt ggcttctccg ccgtcgttga ctctcgtttc 240

tcggtccacg tggcgtccaa ggtccactcc gtgcgcggaa agggcgccag gggagtgatt 300

acgatggcga agaagagtgt tggagatctg aattctgtan atttgaaggg gaagaaggtg 360

tttgttagag ctgatctcaa tgtacctctc gatgacaacc angaatatca ctgacgacac 420

tagaatcaga gccgccattc ccaacatcaa agtttttgat tgaaaanggg tgcc 474

<210> 14584
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-D1

<400> 14584

nngtactttt anacaggctt ngcncaggcc caaggnctcg nanagtcgan ncaggcctct 60

acagtnactn gngctagact tccagtattc acctttctca gctcaacagt ctatgcaatc 120

aagaactagc aacaatgcct catcacttgg tggccaaagc atttcaatgc cagaggcgct 180

ccgaggcagt ggaattccgg caacacagcc aacccagcaa acactacctg gtgctaatat 240

cgctactgga cctgctcttc ctcagcagct tccaatgcat tactctcaac ccacattacc 300

tctaacacac tatgcaaaca tgatcggtta tcctctaatg cctcagaatt atccatacat 360

gccatctgct ttccagcaaa catttgctgg taatagtgca taccaccagc aactanctgc 420

attgcttccg cantnnaaaa ccnatgtctc tccccgggaa ttntgccaat tgggaaaaag 480

cncntgcttn ggtt 494

<210> 14585
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-D10

<400> 14585

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aaaaaaatct cagaatccaa aaatgggtcg tgtccgaaaa tcagatttcg gttccattgt 120

tcttgttctg tgttgtgtcc taaatagctt actctgtaat ggaggcatca ccagtagata 180

tgtcagaaaa ttagaagcaa ccgttgatat gcctcttgat agcgatgttt ttcgtgttcc 240

ttgtggctac aatgctcctc aacaggtgca tataacacaa ggagatgtag aaggaaaggc 300

agtgatagta tcatgggtga cacaagaagc aaaaggatct aacaaagtca tttactggga 360

aagagaatag caccaaaaag cacaaagctc atggcaaaac caatacttac aagttctaca 420

attatacttc tggttttaac catcaatggc ccaaccagaa acttaagtta tgacacc 477

<210> 14586
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-D3

<400> 14586

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ctcacattcc gtgaagcgtg ttgagattgg agcagtgaga ggttcatatt atggtggaca 120

aacaataaag caagaacaat tcaagagaac caagtctcaa actgaaagag tgcatgtcct 180

ggggagtcat ggttcaccac tatgtagcat agatttgaag gatgttttca actttgatga 240

gttcatagaa caattcacag aggaagaaca gaagaaactg atgaacttgc ttcctcagat 300

tgactctgat gaccttcctc atagcctcag aatgatgttt gaaagtgctc agttcaagga 360

caacttctct ttgtttcagc agctcattgc tgatggtgtc nttgatgtgt cntcntcctc 420

gggggnaaaa ctcnaaaaaa ntcgggnttt taaaaacctt gctttganag 470

<210> 14587
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-D4

<400> 14587

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ccggtgactg aacttcaacc tgttactgat gcccatgtcc cagtcatgaa atttaagttc 120

caaggaatat caattgatct tctgtatgct agcatatcgc ttctagttat cccacaggat 180

ctggatatct ccaactcttc tgtgctgtgt gacgtggatg aacaaactgt ccgcagtctt 240

aatggttgta gggttgctga tcagattctt aaacttgttc caaattccga gcacttccgg 300

acaacattaa gatgcctgaa gtactgggct aagaagcgtg gggtctattc aaatgttact 360

ggatttcttg gtggtgtaaa ctgggcactt ctggttgcac gcctttgcca gttttaacca 420

aatgctaatc ccagtaagtt gggttcccca atttttaaaa ttnnnncaca antggcccct 480

ggccgaaacc cattcatgct tt 502

<210> 14588
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-D5

<400> 14588

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gcntccncna aaagncantt tagggtttag tcatctctcc gacatggttg gtgccgcgat 120

tttggaatct cccggcgaag gaattggatc taacagcatt ctctcgcaaa agagacaact 180

ttcttctagt gatgcagcta agagagacgc taagaaacgc tcgacaatgc taatggatct 240

ggagattctc gattgtccca tttgctacga agctttcaca attcccatct tccagtgtga 300

taatggacat ttggcttgtt cttcttgctg tcccaaacta aataacaaat gccctgcgtg 360

tacttcgcct gttggccaca atcgctgcag agcaatggaa aagtgttcct gaatcgatcn 420

tgatcccgtg tccgaacgcc aagttaaggt gcaaaaanaa agtttcctat tggnaaaagt 480

ttaccccnnn aaa 493

<210> 14589
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-C1

<400> 14589

cgtangtcnt tacaggcctc taganngagt aatantancg gcngntccaa gatttcacca 60

gacagaaagc aaaacactgc anaaactaaa tcacgtatct gaatgatttt gctgggagtc 120

ttttatcaga ggacaagaac agagaaccat tcaagtcttg ttgtatcaag aagagtctta 180

tttggttcgt anattttgaa aaatttgttt gtaatatata nagattaaaa gattgttgtt 240

ggcttataaa aagctaagct ctgtggttat agagtgatgt gtataacatt tatacagact 300

catcatagag tttggttcnt tgtgtatatt acatgtatgt acacttcttc atatattaca 360

ganatgtgta cataacannn accaaagaan gaacnntnaa aaaaggggggc gc 412

<210> 14590
<211> 94
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-A1

<400> 14590

nttcatttcg ttggaaaatg acttccaana ttaaaactcc caagtcggca ggtggattct 60

aaacaagaat cgatccccat tggaaaaagn tgaa 94

<210> 14591
<211> 312
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-A11

<400> 14591

cngntcagnc cggacanatc anagaatncc cgggccgacc cacgngtcng aaaaaaacaa 60

aaaaataata aaacaaaaaa atatcttttt ttttttctaat aaaaaaaaaa taataaataa 120

atatgagata cacaaatgtg tccattttat taggcatgtt ggtgatcttt gtttcaccaa 180

tggtgttcgc agatgatttg acaccaatcc cagagggcaa accccaagtg gtgcantggt 240

tcaataccca cgtnggccaa tgggtcaang ttaangntta aattctgctc tcctanctgc 300

tgaagcngcg cc 312

<210> 14592
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-099-Q1-E1-A2

<400> 14592

acaattctga gaggttcctt catctgcaaa tgctactact gattcggtga tggaatcgat 60

cggcgacgac gatgagctcc gaagcaaaac agtttctctt ccgagaagaa tctcgtttac 120

gattcttctt cttcttctgt taatctcctt gagtacaagg gtctctggtt cgttagacaa 180

atctggaaga agagtgattg aagcgagaac tgggcaagac ttgatttggg ttgttcagct 240

atccgatctc catttcagtg tccatcatcc tgaaagagcc attgatttca aaaacattgt 300

gggtcctgct ctggctctta tcaacccttc tctcgtctta atcaccggtg atctcacaga 360

tgggaaaagc aaagacatgt taacaatgaa gttaaatgaa gatgagtggg tt 412

<210> 14593
<211> 209
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-A3

<400> 14593

nggaaaaact gttccaaanc aaangggtcc aatcaaggaa gccaatgggg aacggttccg 60

accganttca agttacttgg ggtncaattc cctgggcnag tccacccaag cttaccttta 120

ccgggagaag ttccctggaa gaactacggg ttgggaacnc aagctggtct aatccgctga 180

ccccgannac aattcccaan ggaaaccgt 209

<210> 14594
<211> 353
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-A7

<400> 14594

tccttcagng agaantggtg taattaaagt gactaangtt gntggaaaga angaaatggt 60

gacccctgtg attagagcaa gcttaacgan ncanggctat aaaattatcn ggtcgcatag 120

tggggttaag atatgtacat ggacaaagtc acaacttaga ggcaggggag gttgctacaa 180

gcactccttt tatggcattg agagtcacag gtgcatggag acaacacnta gtttggcttg 240

tgcaaacana tgtgtgtttt gttggaggca tcacacanat cctgtgggaa aganctggca 300

ntggaanatg gatgagcctt cagtgattgt gaaanggcgc tcctgatcnt cat 353

<210> 14595
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-A8

<400> 14595

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gtccggaacc atataaatca tctcccatgg cggaaatcga agtctttaac taaagaagaa 120

gaagaagata aagctttgta atttatagaa tggcgtgtgt atcgacatgc ttgattctct 180

cccctaggtt aactcaagtg ggtttatcat caaagaagcc ttttttgatt cggctcagat 240

ctcctgttga tcgttactct tttcccagaa tgttaacgga gaggtgtttg agcactcgtc 300

ggaagtttaa tcgccatgga atcgctgtgg tgaaggctgc gagtttagat aaggttagcg 360

gcgcaatcaa accaggtgga ttggtggaga gtgacaagtt gccgactgat gtacggaaac 420

gagcgatgga tgcggtagat gagtgtggcc ggagagtaac tgttggtgat gttgcc 476

<210> 14596
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-099-Q1-E1-B1

<400> 14596

tctttactac ttttgggaat tagggttatg atttctgggt attaagatta agataaattt 60

gtttcctttt tttgttaatc aatttaaaaa tctcttattt ctgttaaaga cttgtaattt 120

tggagttttt aatgcatgga cggaagagaa gcaatggcat ttccaggctc gcattctcaa 180

gtactatctt caaagaggag cctttactaa tctcgcacct tcccaagtcg cgagtgggct 240

tcacgcgccg ccgccacata cgggattgag gccaatgtct aaccctaaca ttcatcaccc 300

tcaagctaac aatccaagac ctcctttctc ggattttggg gcacaccatt cacatgggaa 360

tgggcccccc ctgcttctga agctgaatgt tgaaaccgcc aacgccaccg gcaa 414

<210> 14597
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-B11

<400> 14597

tcgctaagat taggaaacgt gaaacatttg atcctctgtg tatgattttg tatacttgcn 60

ttgatgggaa cttcagagat tgcttcagag ctttgtagct gtcaagggct caccatcatc 120

gctgaaactc tacggacttc ctcttccgtt gggtctgtgg aggattattg gctcaagtta 180

cnggtttcga gaatctgtgt tgaagatggt tacttcctca agctcttctc taaattatac 240

gaagatgctg aaaatgagat attttcatca gagcaagcct ttcttgtgag gatggtgtct 300

gatattgcta atgagcggat agggaaaagt gtcaatcccc aagggataca gcttgtncaa 360

tccccggatt gttaaggcan tccagttgat gttttttgat ttgtttcggg ttaaaanat 419

<210> 14598
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-099-Q1-E1-B2

<400> 14598

ttcgttttta gggtttttt ttcttagcac agctctctct tctcaatttc cccaaatgaa 60

ataaattcct ccgaaagttt atagatttca ctctcccccg aactatacaa aattccctca 120

aaaggaaaaa ctaaaaagcc gatcttggct ttttttgttt ctgagtgcat ctcgatactt 180

ggaagcattc tttggtgagg ctgattcatt ctcatctgtg aaagtctttg gcttttgaag 240

caatactatg gaaggaattc agcatcctat acctcgcact gtcgaagagg tttttagcga 300

ctttcgtggt cgtagagctg gtctcatcaa ggctctctct actgatgtac aagaagtttt 360

accatcaagt gtgaccctga gaaggaaaac ttgtgtcttt aagggacttc c 411

<210> 14599
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-B4

<400> 14599

aagttttaaa gaatangaag aatataaaga agaagaagat ggcgaaccac aaggatttaa 60

ctgagatagt ggatttagaa tacgtgcctc gggttgatag gaagagggat cgtggtaagt 120

taagccaaga aatgtatatg gaagacgagg attttgaact gtatgatttt gataaggacc 180

ggatgccgag gagcttcaag aaagggcaga tttgggcgat atatgatggt ggtgatgaca 240

aaatgcctcg gagttactgt ttagttagtg aagtagtctc tttgaatcct tttaaggtat 300

ggatcagctg gttggatttt gagagcgaga aactnagctc ttggatnaag attatttctc 360

tcatatgcct ttggtaagtt ccgggtttca nanaaacttt gtganna 407

<210> 14600
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-099-Q1-E1-B6

<400> 14600

tgaaaattag ggtttttggg gggattctcg tgtggataaa gccatggctg aacgagaaga 60

cgcagcagag gtttctcttt cagtgagaaa cgaggaagat ctttctcctg aatgtgtagc 120

ttgggctgat tcttgcatca tcagttttct agatgattca gacaacaata attggggaac 180

ttttagagat gctttaacag aaatcatcga tatccatccc gagatgtttg ttttttcatc 240

aacaacggga acaagaggtg tcctgtctcc agacgaggtt atgactgaat ccgagactat 300

tgatctacgg agatctgaac cagcagctgg ttcagcgaac agtagaacta attcatcgaa 360

tgaagaagtt agcgaagatt atcctctatg ctaactttt 399

<210> 14601
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-B7

<400> 14601

gtaccatgtt atgacttcat atgttcaacc tctgttacta tggttaggag ctctattcat 60

ctgcagggca ttagatcctg ttgtccttcc tacagaagct agcaaaattg tgaaggatcg 120

actgttgaat tttgtgaggt cattgtcaac ggtacttgca tttgcttact gcttatccag 180

tcttatccaa caaacacaaa agctattctc aagaaacgag taatccgagc gatacaagaa 240

atatgggatt tcaatttgct gggaaagcat tgtattctgc tgtatggggt tgctgctgta 300

tcacttttca tggagttgct gggtttctct acacaaaaat ggctcactgc tggaaggtcn 360

tgggacantt ttgantactc cttgccgggc cganagattt tgacaaac 408

<210> 14602
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-B8

<400> 14602

gccaacacta agtcactgca atatcgagct tggagaaatg gagaaggaaa gccatgagga 60

gaacaaccac actatctcag gtgatttaac ggcaaaacgg aaacgaggtc gtccgaggaa 120

acaattgaag ctggaatcga atgagcactc tcttggtcat tctccaagtt ttagcaggag 180

tcagcagcag tctcgccaga ggaatgacga tgaagctatg gttggacagc cgattagtgg 240

tgtgattgag gcgacatttg aagccgggtt cttgctttct gttaaggttg ggaattcaga 300

tagcatgctt agaggtgtgg tcttcaagcc tggtcactgt gattctgtat ctgttgataa 360

cgatgttgct ccctgatgtt tccaatgata angaannaga gcagnggggn ggggggggng 419

<210> 14603

<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-C1

<400> 14603

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ctcaactggt gaaaacctca agattgcaaa tatgcacgca acggtactcc ttcctgaagc 120

gattccgttt gaagcgtgaa tcctgggaaa gtaaaggttc atcatggtaa tatccaaagc 180

ttccaaaggg tgttgctgat atcaattcgt acaacattgg ggtcctccgt tctatgttgg 240

aagaatgcct tccntgaatg ctgggtggga agggaattgt tgttacctaa attgatnggg 300

aaatgccaaa tncctcngtg gaagcctaaa aatgttcgcc caatcctgga agcctaaagt 360

caaatgantt gaagttnaag cccgtnacnc caanattgaa aaaaatttgg gtgaatgggg 420

aaaaacgtcc ggttaattgg ttccnaaccc ngggggaaaa atgcttc 467

<210> 14604
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-C10

<400> 14604

aaaaacataa ggctttgttc tctgcgtttc tagagtacta tcaggcatgg cttgagatga 60

caatccaagt gagggaggag atggaaccat ctcatgtgag agccaattgt gaagcacaac 120

acaagtacct gacatggcga gcacaaaagg atcctggaca tggtcttctt aaaagattag 180

taggtgaagc aaaggcaaag gagctgctaa gggatttcct gttcaatggg gtggatgagt 240

taggcacaaa aacattcatt gattactttc cagagtacca aacagaagat ggaactgtaa 300

gcgataaacg aagtatcatt gggaagtcat atgaaactcg tccatgggat ttaacaggac 360

aatttatcgg ctaacaatga tatatgttga acaaagtcag attcagagtc natc 414

<210> 14605
<211> 417
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-C11

<400> 14605

tggaccgata aagagatcga gatagcggaa gttgttgctg atcaagtagc ggttgctatc 60

tctcatgcct caagttcttg aagaatcaca gttaatgaga gaaaaactcg gtattcaaaa 120

ccgagcttta cttcgagcaa aacagaacgc gatgatggca agtcaagcga ggaacacttg 180

ccagaaagtg atgagtcatg ggaatgagga gaccaatgca cacaattctt ggtctactct 240

ccatgtttca gtccgaaagt atgaagtctt gacagaaaat catcgttgat gcgcctcatg 300

aaaacaagca caagttctnn gangggggtga atccaacgac gttgnttgac aatttcnccc 360

taaagatnaa cgggaaatct gcattaaaag gttaaaacgg ttccaancta cattccc 417

<210> 14606
<211> 125
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-C3

<400> 14606

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aaagtatcaa cncgatgttt gtacaggaaa gcaattgtgg ggtacagttt cagacaataa 120

cngaa 125

<210> 14607
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-H9

<400> 14607

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ttgataacgg gctattaagg tataaggagc aagaacgtgt gatggatacc tttgagagag 120

acttgcatct acctgttact tgtgttgatg catccgagcg gtttttgagt gaacttaaag 180

gcgttgtgga tcccgagaca aagagaaaga taatcgggag ggagttcatc aacatttttg 240

atcaatttgc ccaagagtta gagaaaaagc atgggaagaa acccgctttt ctaagttcaa 300

gggactctgt accctgatgt gattgagtcg tgccctcccc cgggtactga taggactcan 360

tctcacacca atcaaaagtc a 381

<210> 14608
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-098-Q1-E1-G10

<400> 14608

acgaagacgg cgatgaattc gttaaccgtt gaacaagtat tgaaagagaa gaagaccaat 60

gacccagatt ccgtcaagga acttaatctc ggccataaag ctctcaccga cgtgtcttgt 120

ttgagcaagt tcaaaaactt ggaaaagctt gatcttcgtt tcaacaatct aacagatctt 180

cagggactca agtcttgtgt gaacttgaaa tggctttcag ttgtggaaaa caaattgcaa 240

agcttaaatg gaattgaagc actcactaag cttacggtgc ttaatgctgg aaagaataag 300

ctcaaatcca tgaatgagat ctcttctctt gtcaatttac gggccttgat cttgaatgac 360

aatgaaatct cctccatttg caagcttgat ttactcaaaa gacttgaaca 410

<210> 14609
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-G11

<400> 14609

tgcaattgtc ttcttctctt caactccatc atctccacca ccggcattct cgccggaatc 60

caatggagct taccaagctt ccatcgctct tctctcttat tcctcatctc actaacattg 120

atcattctcc cgacgacaac aacttcaatc ggagtaaact acggtcaaat cggagacaac 180

ctcccctccc caaccgacgt aatcccacta ataaaatcaa tcggagcaac aaaagtaaaa 240

ctctacgacg caaatccaca aatcctcaaa gctttctcca acaccggaat cgaattcatc 300

atcggactcg gcaacgaata cctctccaaa atgaaagatt cttcaaaagc cttaacatgg 360

atnaaacaaa acgttactcc atttttacct gcgactaaca tcacatgcat aactatcggt 420

<210> 14610
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-G12

<400> 14610

ggagagagcg aaaatggagc tctgtgttat cagcacgact acgacggtga aggcaattaa 60

tccgtttctt ccgtctatta cacgtcgtgt tagttcccgt ctcttccaat cagatagtgt 120

gctacagttt ggtgggaggt tgaagaaacc aattagcagg cctttggaca tgtcttgtct 180

ctagaaaaat tggatttttc ggagatttta tgtcacatgg tggtaatttt aggctattcg 240

cggcggcttc tccagcggtt gaaactagtg taaaggaaga caaacttcca gctgatctta 300

aggtcacgga gactgtacag gcgaattcaa gtgtgaaatt gagtgtggaa gttccaaaaa 360

ttgtccgtga aagattgtta ncaacgaatc cctaacgaaa 400

<210> 14611
<211> 254
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-G2

<400> 14611

atanagtgtc tccgatcttt tggnggtttg gttctgcctc naccgttgta tggtgtgatg 60

ctaanagggt ttagcttatc gantttcttg gaaacanagt ttatgaatga cnttcntggc 120

aatggnggct tacccgtgga accagttgag attggtgaac ttggattcgt gctgatggtt 180

gatgatgatg ttttcttctc nctctctttc tcaaactcgt ttancttcat tttcantttg 240

agaaagtttc aagc 254

<210> 14612
<211> 429
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-G3

<400> 14612

aaacatagat aaagggaagt gacacatcca ctgcagagtc aggatctgac gctgaagata 60

tcggttctcc gaaggctata aagagtttct ctcatctccg cttgacacct gttcgtgagg 120

aggcaaagat agctggtgaa acaagcttgg ctggtagttt tccgggttat gacgagtatg 180

tacctatggt ggacaaagcc gttgacgcca cctggaaggt gaaacccgcc atccagagag 240

ttgcctcaag aggagcttta atgtctccca ccgttccaaa agatnatgaa ggcatcaagg 300

ctcgagtcct aagtaatgtt catggcattc ctgatggcgg ttttcacatt cctccgcact 360

ggnacaaaga aactttcaag cgactactaa nttcttccca ncangaaanc ccaaggaaac 420

ncaattaga 429

<210> 14613
<211> 302
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-G4

<400> 14613

gggaagaatg gaaggttggc tttataccat ccgacacaac cgatttggcc ttcaattttc 60

ccgtaaacga tacttcgttc ttcacganga acaaccttac aagttttaaa tctgtaccat 120

ctgatcacaa tgaggaacct gagagaagag catctctaga ttgttgtatt cgcgttaccg 180

acaatggtat agagagtttc catagaaaga ttcctttcaa attcacgctt taaaacactt 240

ngaancantt ggattaacta aagttnggaa cnagtttnct naaaaaactg ncnaatggat 300

tc 302

<210> 14614
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-G7

<400> 14614

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atctttctta gtagcagtag gagaagatac ggagagagga gccacgggag atgttgattc 120

gaagctcacg gaattgaatg aatcaagggc tgagttacta aacaggatcc agaatctgaa 180

acaggacttg caaagttgga gaggtaaatt ggacactcaa gttaaagtct accgtgagga 240

gctctctggg ctaaagaaga ctctgaatct tgaagttgag cagcttcgtg aggaattcaa 300

agatctgaaa actaccttga atcaacagca agatgatgtt tccgctaacc cgaaaagctt 360

anggctacaa gantccaaaa gaacaaattt atnaanaaga attnaggtac ngaagaaaaa 420

antggg 426

<210> 14615
<211> 315
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-G8

<400> 14615

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ccaaatctct gtctcttgag tttgatttag ctaaatcaag caatgtcgct tgacataaag 120

aaaccgaaca tcaccaagac gaagaagaag aagacaggtt tcgtcgtaaa aatgcagctt 180

aataacaaca agaggaggaa ataaaagaaa catccttanc ctcctcctcc tnanaaacta 240

attaaacatg gattctccgg gtttgnctcc ccccggaatt cctnaaannc taattncccg 300

ttcaagaaca ancct 315

<210> 14616
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-098-Q1-E1-H1

<400> 14616

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aaatcctcct gggtttgata cggaaccagt cccaatcagt acttaccgag acaatgaacc 180

tgtcccgctt tcaacttacc gagaaaatga ttcaagatca tctcgacgcc actcagcaag 240

agaacgatga cttttgggaa aacggtttca gtagggaaga ggccattgaa gatccagagc 300

cttctcaggc aaaggaaaat gggaaagaga agtgtagaca acagcgcttt cactcatggg 360

gaaactgatc tcaatcaact tcctgcgaat cctccgggtt tcaactgggc caagggtttg 420

ccgtt 425

<210> 14617
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-098-Q1-E1-H11

<400> 14617

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ggcggctact agggttcgtt gttgtcatag caatgcagct ttcaccagat tgccacttac 120

ccgccaccga aactcgccga cgctaccgat ttctctaaat cgtgtcgatt tccctacgct 180

gaagaaatta tcattaccca ttggagatgg ctcctccatt agaaaggttt caggttcagg 240

cagcagaaac attgtgcgag ctgtgttgga agagaagaag acagaggcga taacggaggt 300

agatgagaag ggtatcacgt gcgtgatgaa gtttggtgga tcttcggtgg cgtcagctga 360

gagaatgaag gaagttgctg atttgatttt gacttttccg gaagaaaagt c 411

<210> 14618
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-H12

<400> 14618

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ttttaatcga nacagacatt tgagatcgaa ttaattttgt ancgggctgt gtctttanta 120

tagatggaga gagattttct cgggttgggt tcgaaaaatt ctccgatcac tgncaaggag 180

gaaaccancg aaagctctag agattcagct cccaacagag gaatgaactg gtctttctca 240

aacaaagtat cagcttcttc ttctcagttt ctatccttca ggcnaactca agaagataga 300

catagaaagt ctgggaaatt atcatcttcc tcactctggg ttccttcatg ccatcatcaa 360

gtagctgatg tttatgagtc aaccccgnaa agctccctaa nagntttgna aa 412

<210> 14619
<211> 298
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-H2

<400> 14619

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cactccatct tcttcttctt cttccgtcag ggctcgtttc gagactatga ttagggctgc 120

tcaagacagt gtttgtgatg caattgaagc tatagaaggc ggtcctaagt ttaaagaaga 180

tgtttggtct cgacctggtg gtggcggtgg aatcaatcnt gtgttgcaag acgggaaatg 240

tncttnaaaa agctngngtt aatgnccccg ttgtttaagg ggntaagcct cctgaanc 298

<210> 14620
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-H3

<400> 14620

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gggttcaacc aagacgcccg taccgtccaa tgctcaacct gccacaccgt cacgcagctc 120

tactcgctag tggacatagc tcgcggtgca aaccgcataa ttcatgggtt tcaacagcta 180

cttagacaac accaaccgca acatcatgaa caacaacaac aacaaatgat ggctcaaccg 240

ccaccacggc tgcttgagcc tcttccctcg ccgtttggga aagaaagaga gcaattttat 300

gcggcgtgaa ctataaggga aaaagtttta gntttgaaaa ggntgcatca gttgatgcta 360

agtccaatga gatcttantg ggntcaacaa aaggggtttc ccaattgacc ctattcccat 420

gntcaaagaa nag 433

<210> 14621
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-H5

<400> 14621

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gtcagaggga gactttcaga ttatgctttc gaagtatagt ccggtttggt atggaaaagg 120

aaagatcagt ttaggactga tacttggtta ctgttgctat tgtctttggg ctccatcttc 180

actacctgtg ctcatttact ctgttttgac ttctctctgt ctcttcaaag gcattcctct 240

gtttccaaag gtctcgagct cgtggtttat tccgtttgga tacgtcactg ttgcagctac 300

cgcatatagc ctaaccgaat tcctgtggtg cggangggac gttccgtnga aggtggnacg 360

ancaaaagga tgttggctta tgngaagaaa caanccngtt cctttccggn tttaaggggn 420

aacaa 425

<210> 14622
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-H6

<400> 14622

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ccgtcatcac aagaagaatc tcatccgtca aagccgcagg aggaggcatc aacccaacgg 120

tggctgttga acgtgccacg tggctacctg gactaaaccc tcctccttat cttgatggaa 180

atttagctgg agattacggg tttgacccac tcgggttagg agaggatccg gaaagcttga 240

agtggtatgt tcaagcaaga gcttgttcac tctcgtttcg ctatgctcgg tgttgcaaga 300

ataccctcac tgatntccct tcggancaca aggaatcnta anttaaccgg tttgggtatg 360

aaactggaan ctgttnaaat ttgattttgc caagtacaaa aactcccaat aanttgtaca 420

nttccaactt anggg 435

<210> 14623
<211> 170
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-H8

<400> 14623

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aaaaaaggct tcttcttcct tttgtttgtt tcttcntttt gttgtgggat ctctttaagt 120

tttgggntgt cccttgtctg tttgtgtttg anagtagcta anttcgaaga 170

<210> 14624
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-F8

<400> 14624

gggngnaaca tccatntagn acgncccgtn ncaaacatga attcgcgggc cgacccacgc 60

gtccntttct tctatagatt tcttactcag aaaacttgaa gcaaaagtta attaaaaacc 120

taaaaaaaat tagaagaagg aaaaaagatg aaacgatttt taggttttta attaactttt 180

gcttcaagtt ttcttctata gatttcttac tcagaaaagt ttcgaattcg accctgtagc 240

ttagttgttg tttataattt cttgtgatca ttcacagtac aaaaaaacta attcacccac 300

cgacttcttc ttcntcntct cttctctgtg gcccatcctt aaacccacac tgcttttgct 360

tttccttttt ttttccggga aatttgatct ccttancntt cggcantatt agtacgggaa 420

aggtccntta agntnttttt ttggtncccc naaanctcac nttttccnan attttcnnca 480

ag 482

<210> 14625
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-D10

<400> 14625

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taaggtttct catctccgaa aaagtcaggt gggtactact aaatttggat tttcgttcac 120

ttagaacagt tctgtttgat ctttgattcc tcaagttata acttttgttt ttcttttata 180

tcttatgaca tgataatatt aggtcttaaa tcatcctctt cttttgatcc tgttggaaaa 240

ttctttgatt tggtggttat gttgcttaga taacctaaaa aggtatgaat ttgtagcttt 300

gttggattct taatctctgt ttttatcaat agatttgatt aatatatgtc taattatgtg 360

gttatttgca ttanaattgt gttaagtata nacgaatata ac 402

<210> 14626
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-D12

<400> 14626

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atcatcatcc cagccttcaa tcctttcacc gagatctctc ttctccaaca acgggaaacg 120

agcaccaact ggagtgagga accatcagta tgcgagtgga gtgaggtgta tggccgtagc 180

ggcggatgct gctgagacga aaacggcggc gaggaagaag agtggatacg aacttcaaac 240

gttgacgggc tggttgctga gacaagagat gaaaggagag atagatgcag agctgacgat 300

agtgatgtcg agtatatcat tggcttgtaa gcagatcgct tcacttgttc aacgtgccgg 360

gaatctctaa nctgaccgga gttcaaaggc gccgttaata at 402

<210> 14627
<211> 321
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-D6

<400> 14627

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attctcctca tacgctataa ggagaaaatc tcaggagaga gagtgatggn taanaatgag 120

ggagagatgc aatgtgggtc cangttgttt aaacaatagg agctataaga gatgagtggg 180

gtcaatgttg gtggcgatta cgttgaggtc atgtgtggtt gtaccagtcg cngatacggc 240

gatgctgttg ctatnactta gggttttccc caccggngac cttgatntca cctgcgaatg 300

cacacctggn tgnaatgatg a 321

<210> 14628
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-D9

<400> 14628

agcttttctc tagcgtcggg gcctcgatct cttgatttga gcttttctta ggtctgtctc 60

tctctgtaca ctctctccgc cgtcgtatct cgccgtcgat ttcaattttt ccgacgatat 120

gaagctcacc gttaaaactc tcaagggcag tcattttgaa attagggttt taccctccga 180

tacgataatg gcggtgaaga agaatataga agattcacaa ggaaaagaca attatccatg 240

tgggcagcaa ttgttgattc acaatggaaa agttttgaaa gatgaaacta gcctggtgga 300

gaacaaagtt acggaggaag gatttctcgt cgttatgctt ancaagagca aatctgggag 360

gttcagctgg tcaagcttcg gttcagactt cntctgtttc acaagcctgt ttccgctacc 420

acaat 425

<210> 14629
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-E1

<400> 14629

acttctatct tctccgtcat cgttctctct ctctcctctc ccggagattt ttactcaggc 60

gttcttctgt ggatcagagg tgaaaaagat gaatcattgc aaccttcagc agaacgcctt 120

catgtctcgt gaggagatga tgggatttga ccgtaaggat cttgttgttt gtcctaagcc 180

tcgacgtgtt ggtttactcg ccaacaacgt tattcgtcct cttagattac atatgagtca 240

agctgcagcc gacttgtgtg attctaaagc tggtgctgag cttttggaaa tcattcgtag 300

aaaggaggga taatggaaca ataggggcag ttactatcaa cancnccaac gtaatttccc 360

gggtcaanca ccgaattnna agcgggngaa anccattang cccaaggatg ntcggttttc 420

gangnanaan aaag 434

<210> 14630
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-E11

<400> 14630

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ttaggtgtat atagatgaat ctagaaatag ttttatagtt ggaaattaat tgaagagaga 120

gagatattac tacaccaatc ttttcaagag gtcctaacga attacccaca atccaggaaa 180

cccttattga aattcaattc atttctttct ttctgtgttt gtgattttcc cgggaaatat 240

ttttgggtat atgtctctct gtttttgctt tccttttttca taggagtcat gtgtttcttc 300

ttgtcttcct agcttcttct aataaagtcc ttctcttgtg aaaatctctc gaattttcat 360

ttttgttcca ttggagctat cttatagatn acaaccaaga gaaaaagatn aaatctt 417

<210> 14631
<211> 357
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-E2

<400> 14631

gctccagatc aancccgcaa aggcgctgat atcctcgtcg aagcnttana acgtcaaggc 60

gtataaaccg tattcgctta ccctggaggt gcatcaatgg agattcacca agccttaacc 120

cgctcttcct caatccgtaa cgtccttcct cgtcacgaac aaggaggtgt attcgcagca 180

gaaggatacg ctcgatcctc aggtaaacca ggtatctgta nagcnacttc aggtcccgga 240

gctacaaatc tcgttaagcg gattanccga tgcgttgtta gatagtgttc ctcttgtanc 300

aancacanga cnagtccctc gtcgtatgat tgggaaanat gcgtttcaaa gangant 357

<210> 14632
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-E5

<400> 14632

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gcctccgtca caagagcaac ccatttcaga ttcagattca gactccggat ctgattcaga 120

gaatcatcag caccgtcaca atgatctatc aaactccatc ttcgaagctt acctcgattg 180

ccactcatct tcgtcccctt cctcaatcga tctcgctaag atncaatctt ttctcgcctc 240

gtcttcttcc ggtgctgtct cgtgccttat ctgtctcgaa cgcattaaac gaaccgattc 300

tacatggtcc tgcacttcct catgcttcgc cgtctttcaa cttttctgca ttcaatcatg 360

ggctcgtcag tgcttagatt taaaagccgc gcntgcantn ncgcgaactt ctcgaatccc 420

gg 422

<210> 14633
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-E6

<400> 14633

tctcaatccc acatagagag aaagagagag agagagatga gtcggaggaa caagaacggc 60

cctaagctcg agctgaggct gaatctttcg ccgcctcctt ctcaagccag ccagatgagt 120

cttgttcgat caccaaaccg atccaacacg acttcaccaa gctcatgcgt ttcatctgaa 180

actaaccagg aggagaacga gacaataacc tcaatggttc ttgtgggttg ccctcgttgc 240

cttatgtacg ttatgctttc tgatgatgac cctaaatgtc ctaaatgcaa aagcaccgtt 300

cttcttgatt tcctccaaga aaacgctttt gccgctacaa ccgctaacgc tggcaatacc 360

aaacgcaaga angaagaact ggtgggaatg gantttatta atggttccaa ccgngtt 417

<210> 14634
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-F12

<400> 14634

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acaagcgtac aaattctagc tagggaagaa attccccgat gtgcttctat caatgatgtt 120

gttatacaga ttactggcga gatcagagct gctcgggaag cacttgttga attaacatta 180

ctattgagga gtcatatgtt caaggagctc tctcaaaagg agacaccacc agcttccaca 240

tccacaactg gccctctcga aggtgttgca ggagtaatgg aggtagcttc atcaaataac 300

acaattcaat ctcgtgaagg tcctactagt tcgaatctga acttgcagca agttagcaca 360

atcttgccac aagtttaagg aaaggttccg gtnaattttc aaaaggggg t 411

<210> 14635
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-F3

<400> 14635

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aaacagaacg ggaagataga gtttgcacag ctatatggta tgtcagatgc attgtccttc 120

gggttaaaga gagcagggtt caatgttagc aagtacatgc cgtttggacc cgtcgcaacc 180

gctataccgt atcttctccg acgcgcttat gagaaccggg gaatgatggc caccggagct 240

catgaccgtc aactcatgag gatggaactt aagaggagat taatccccgg gattgcgtna 300

agagaaagta tggagccatt aaatgaaatt gggaaatgtn natgaataaa tttcctccan 360

gtaatttaaa gaaantnaaa accaaaaatt ttatatanga aatggattag gtaagaacat 420

<210> 14636
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-F4

<400> 14636

ctatggattt gtgtgtgagt gagtanatcg cgcaaagaat ctgaaaatgg cgtcaacgga 60

aggccttatg cctatcaccc gggcttttct cgcttcttac tacgacaaat atcctttctc 120

tcctctttcc gacgacgttt ctcggctttc ctctgacatg gcatctctga ttaagctatt 180

gaccgtccaa tctccncctt cacaagggga aacttccctg attgacgaag caaaccgtca 240

gccccctcac aaaattgatg aagaatatgt ggaannatag ggagnatntg gacgagatac 300

tgtntcttct gtcaccatct ngcctggctg ttcagccttc gggaaacctt ccagatncgt 360

ntgatgccgn aattcgcttc aattttgcgg actcncaaag ganagttttg ga 412

<210> 14637
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-F5

<400> 14637

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ncccacgcgt ccggtaatcg tcagtcaact gtagaaacca aatttccggt agaaaaatca 120

aaatgcttca gctcgtggtt gtagcgtggc tcttgatttt cacggcggag acggttgtac 180

ctcaccagga atccggcgaa tggagttgtg aatcggactc ggagattcag gtcttagccg 240

atttcagacc ggggattatc accctcgatg gtcacaacga tgactggaag gacattnaag 300

ggctccgagt tcccgctccg aactgcactt gattcggacc cgatnacgaa ttatgacccg 360

ggaagataca gtcaaggcac tacataatgg tcgaagatat caactttctt ctggagattg 420

atggaaatta cccttatata aaggtgaaaa caacaantgt cctcagtggc tctcaaggtt 480

ccaa 484

<210> 14638
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-F6

<400> 14638

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tcttcttctc cgtcaacgat acgaacccan agacgtcggc ggttaaaaca atcgtcggat 120

ctctctggat tcgttagacg agaagtttcc ggtatctaat ttctgtgcgt nagaganaaa 180

ttagggttgt tgctacgatg gatgaaactt tacttgacga tataatacga cggcttttgg 240

cgacgaataa tggaaggacg gtgaagcaag cacagattac tganacggag atacgtcagc 300

tatgtttaac ttcaaaanan gtttttctca atcaacccaa tctcctcgaa ctcnaaggcc 360

ctaanaaaga attgcggnga ngttcaaagg gcaattttca anacctcctt gcng 414

<210> 14639
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-F7

<400> 14639

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ctcgggaatg gcagtttcga tgatattatg tttaagatca tcattgcttg ctactgaaaa 120

cgcagcttct tgtctccaga gactattgaa tttcccagag aagattgatg tgaggaagat 180

aatagagaaa gctaagtcat tacaaacttt ggctttggat gatgatgtac gatcatcagc 240

tctatcgata aatgatggct ttgatcagag catcagtcca agcagtaccg gcgagaacta 300

acagttttcc ttccggatnc acatctccta aatctccatt gataattacc ccacaaagtt 360

attgggaaga tnaatggana agttctacac aaagccgccg aaggaagaga aaaagaantc 420

cttc 424

<210> 14640
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-D1

<400> 14640

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gaggaacaag agtcacacac tctgtgtgag atgtggtcgt cgtagtttcc acatccagaa 120

gagtcgttgc tcggcttgtg cttacccagc tgctcgcaag aggacttaca actggagtgt 180

gaaggccatc aggaggaaga ctactggtac cggaaggatg aggtatctcc gtaatgttcc 240

tcgtcggttc aagactggat tcaagagaag gtactgaagc caagccaagg gagcaaggna 300

tcaacttcat cagcttaaaa gaaccaattc nagtaatccc tcaaggaagg actaaaacct 360

taacaatttt ttgcattcaa ctaanttgaa gattactttc aaggtggatn tcaaacatta 420

ngt 423

<210> 14641
<211> 197
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-097-Q1-E1-B10

<400> 14641

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atggtggtcg tagattttca ccatcagttg ataggtacag cagcagctac agtgcgagcc 120

gtgcaccttc aagacgctct gactaccgcg tgcttgtgac cggattaccg ccttctgctt 180

cgtggcagga ccttaag 197

<210> 14642
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-B2

<400> 14642

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tatgattttg tggntgcgac tcgggtgaga ttgcacatgg tggtcntagt tttcaccatc 120

agttgatagg tacagcagca gctacagtgc gagccgtgca ccttcaagac gctctgacta 180

ccgcgtgctt gtgaccggat taccgccttc tgcttcgtgg caggacctta aggatcacat 240

gcgcaaagct ggaatgtctg cttctctgaa ttttccctga ccgtaaaggc atgtctgggg 300

ttgtggttat ancaactata tatatgaagt acccataagg aaacttgatg ccactgaatt 360

tcaaatgctt ctctagtgct atatacggtg aggaatatga tcgagagtgt natcgaagcc 420

aatgatctaa ac 432

<210> 14643
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-B3

<400> 14643

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ctatgggcac acatgcagct ctcgccgtct caagaatccc ggtcacacag cgactgcagt 120

ctaagagtgc cattcactct ttcctgctca atgctcctcc aagaggctag aagtcgctga 180

attcccggtc tgcgtatgag tagtatcggt ggggaagcat ctttcttcga tgctgtactg 240

cacaaatcat ccctaangct gtgacaacat caactccctg gtagaggaga gacagtgggc 300

gaaactgaaa anttnncaat aaacggtttt gggaaggatt gggtanggaa ctttcttaan 360

gtgttggcaa tggtcgtaaa agactcctcc ctcctccgaa antttgnttg gnacttaaaa 420

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nngaacctcc caaangncct ttgggaaacc cnttg 515

<210> 14644
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-097-Q1-E1-B4

<400> 14644

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tcccgcctct ctaagaggtc cgatgttttc gcctccaatc tccaatctgg cctctcctcc 120

tcctcatcgc tcgatcagcn tcactctgcg tttcctcata ttgaactcac ggttctcgtc 180

aaggcactag aagataatgg aagtgatttt aatgctgcta tgaagactta tactctttcg 240

catcttctga ggagaagaaa ctgaagaatt ggccgccang aagtgtgcta ctcaagnaac 300

tgatgcgttt gtggtggaaa ccccccgaca agtggtgatg actgggttga attgttantc 360

agggaantgt tacaatcgtc tggnnaaatg atgcaaaatt acgtgcaaca agatccttga 420

nggcttanan aa 432

<210> 14645
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-B6

<400> 14645

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tgtctttgtt tttactcaat cccctgtttc cggttctgtt cgattcttct ctgtctctgt 180

tttgtttttc gtcattttgc ctaaagccac atgcaacaag tgattaactg aatttttatt 240

atccatatcc attttgattc gccggaaagt ttattctttt ccggcgacaa atgcgaaaga 300

ttcgaaaacc cattttaacc aaatcaattc taagaacgaa tgtccaatat tcaatccctg 360

aattcaaatc aaacaacgaa gcctatcgaa aaccaaacat cggattcttt ggggtcccaa 420

aagcctttgg gggtccgtca atncgggaaa nttttaacca angggattcc cccttaa 477

<210> 14646
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-097-Q1-E1-B7

<400> 14646

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attcactgtc tacggtgaaa acagtaacgt ggtagaggaa ggattcaatt catacggaac 120

attcggaacc ggcggcgccg gagatttcac taactaccaa aacaacgtga acaatccaac 180

gagtcgattc acggcgtatt ccgacggagg taacggtcga tctcaaacat tcaaaaccta 240

cacacacgaa gctaacgccg gtaacggtca atcattcaca agctacggna aaaacggaaa 300

cggagttcct aacgagttca cttcttacgg gtctcctcca atgtatccgc tccgggttct 360

ctaactacgg ngaaaagtgg aaacgcgggg aacgatacct tcacaagcta cgggag 416

<210> 14647
<211> 55
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-B8

<400> 14647

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<210> 14648
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-C1

<400> 14648

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tattatctgt ttgtgggaat tcagccaatg ctgaggtatc accattggtc ttcatcaggt 180

ctgatattac tcaggcactt ctgaaagcat tcacatcggc atgccaatct tcgtcaccaa 240

gcaaagtggt gatcccaaaa ggagagttca agcttggtga gatcgagatg aagggtccat 300

gcaaactccc attgaggnca cccttcaang tactgtcaaa gctgacggta acgctatcca 360

anggaangaa aatgggtctc tccgcaacat tgatggcttt aantgacgga ggaggagcct 420

cgacgntnan gnatgcanct tgnnata 447

<210> 14649
<211> 200
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-097-Q1-E1-C10

<400> 14649

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cgtttccggt cacgctcctc ccgtgacacc gagaaaatca gcatgtccaa aaacagtatc 180

cgaactccag accttacctt 200

<210> 14650
<211> 206
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-097-Q1-E1-C11

<400> 14650

ggccactcta gccgcagaag ttcctctagc tggtgaaaac gcattgccta ggtacgacga 60

ctatgcacac gagcagattc tcaaggcctc cgcgctgaac cttgatcaaa acaatgaggg 120

agaacctcga gagatgtgtg catttactta cctaaggatg aatccggagt tgtttcaggc 180

ggataactgg ggaaaattcg tagcgt 206

<210> 14651
<211> 205
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-097-Q1-E1-C12

<400> 14651

gcaatgacac tgttcttgct cttgtccact ctcctcctca cgacttcttt agctaaagat 60

ctctgtcata aagatgacaa aactaccctc ctcaagatca agaaatccct aaacaaccct 120

taccacctcg cctcatggga tcccaaaacc gactgttgct cttggtactg cctcgagtgc 180

ggcgacgcta ctgtcaacca ccgtg 205

<210> 14652
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-C2

<400> 14652

aaaaaactaa aaatcanaaa tctcatcacc ttccttgcnc tgtatttttt ctctctcact 60

aaatcctcca tggatccttc tctctctgca accaatgatc ctcancatcc tcctcctcct 120

cagttcacat ctttccctcc tttcaccaac accaacccct tcgcctctcc aaancacncc 180

ttcttcaccg gacccaccgc cgtcgcgccg ccaaacaaca tccatctcta tcaangcagc 240

tcctccgnag cagncaacaa acatctcnag ttcctcctca tccatctatt tcccancctc 300

ggttactctg gnnatgattt gcacggggga ttgcagcgtt taagagcgnn acaagatggg 360

gtcaagcaag caaagctaan tttcgaaggg nacaatagaa gng 403

<210> 14653
<211> 292
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-C3

<400> 14653

taatcatttt ttttttcat tgaatgaaac aaacaagaca ttcaaaatag aacaaaagtt 60

ctacagagat agagagagaa agagagcttt tcttcatggg tggtctacaa gcaaggatga 120

gagaacatat aagaaccatc aagtgaacaa tgacaagagg gagacagaca actgtngaag 180

aaatgtttgn ttaaatgaaa aatgagaaaa gaaacgaaga tnaagtnaca agtgaaagaa 240

gagcacccat gatgnctgac atttaaaact agagactgna ggacccctca ca 292

<210> 14654
<211> 446
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-C4

<400> 14654

tntttnggcc cgaccgtnac ggggaaaaag gaaattcccg ggggttcgaa ccnaagncgt 60

ccaganggga caactttaga agaacaaaag agcaagctcc gtcaagctca acccggtctg 120

gaaagtatct cgccaagccg gcccgttctc aagcaagctc gtcaagatna cccgtctgaa 180

gcatctcgtc agccggtccg tctcaagtag ctcatcagct cgcccgtctc aagcagctcg 240

tcagctcacc cgtccgaagt atctcgccag ccggccgtta aattttcccg atggagattc 300

ttccgattcc ggcggagatt tcaaggannt tcatcggact ggaaaatggg ggatatacta 360

gagtgtggtg ctccgggtgt ctctaactaa tgacgcttat aactatcgcn gttctcatct 420

tgggcattct ccacacagan ttaaga 446

<210> 14655
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-C6

<400> 14655

cagattgtgc tggagctttg gatataactg acgatctcca gaacttgctg gctggggatg 60

agcttactgg tctatactgc ttccgccatc ttcgggatca tgttactagt tccatagatt 120

ccataaacag tattctcact tcagaattca tgcgtatctc catacatgat actggggaga 180

tagatgtact gattttatct gcaagcaaat atacggggat ccatttcatc taacggggaa 240

taccggcgaa gaagttaagt tagaagaaga ggatacctct accttatgtg atcggcttcc 300

tcctttaagt tattgggatt gctaagaacg gcaaanttcc cgtcaatttg anggatgtac 360

cgtgatacac tcacatccgg anatgaaaaa tgcant 396

<210> 14656
<211> 166
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-C9

<400> 14656

ttcttctctc actctccggn gactgttacg agtttttaac acttccgtcg tcttctcagt 60

tgttgttgtt gtttatgaca agatcttgtt ctatccatta aaaccaaaga aatggaggaa 120

ggtcataaag aaccattggt gctaagagtt gaaggatcac attgtt 166

<210> 14657
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-D1

<400> 14657

aaacaaacca aaaatgggtt cattggtaag agtgtattag tgattctcgt agcacttggt 60

gctcacttct ctgcctcact gaagaagtga accataagat caaacccttc tctagctcct 120

gtctgtcctt acaacacggc acaccaccac acctctcatc acacacctca cctcacctca 180

ncccaccacc ggcaaatctc ctgttaaacc ccggttaang nacagtgtct ccaacaagcc 240

aaactccggt taaagccccc ggtttaccca cccaacaaaa gccccggtga aaaccccaac 300

taaaaccccc ggtcaaagcc aacctgtttt cccaacaagc caaaacctcc gggttaaagc 360

caccaagttt taaccctcca aaancaaaag ntccangttt aaagnccccc caantc 416

<210> 14658
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-097-Q1-E1-B1

<400> 14658

taatgtcgta accgattcgt tccggagata cagccgtaac gcggcggggt cacgacgata 60

aattcactgt ctacggtgaa aacagtaacg tggtagagga aggattcaat tcatacggaa 120

cattcggaac cggcggcgcc ggagatttca ctaactacca aaacaacgtg aacaatccaa 180

cgagtcgatt cacggcgtat tccgacggag gtaacggtcg atctcaaaca ttcaaaacct 240

acacacacga agctaacgcc ggtaacggtc aatcattcac aagctacggc aaaaacggaa 300

acggagttcc taacgagttc aacttcttac gggtctcct ccaatgtaat cggctccggt 360

ttctctaact acggcgaaag tggaaacgcg gcgaacgata cctcacaaag ctacgggagc 420

gaacg 425

<210> 14659
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-D3

<400> 14659

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cttcactact cttgccttgg cgctacggtc tcccacgtcc atctcggcat ccgttccagg 120

gctcatcgaa ctcctcgaat cgaacaccat ctttgggaac gaagccgaac tcttagagaa 180

agagggactg tccatcaact accccaactg caagaaagct ggcaccttgg tgttgagacc 240

tctaacatca taaacttcga cacggtgccc gcaaattgca aagcctatgt tgaagactac 300

ttgatcactt ccaaacagta ccaatacgac tccaaaactg taaacaaaga ggcatatttt 360

tacgccaaag gacttgccct aaagaacgat accgtcaatg tttggatctt tgacctagac 420

gacactctcc tcctcctagt aatccctact acg 453

<210> 14660
<211> 217
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-F7

<400> 14660

gctctaaatg atcttgcaga gatggcatgt atgaagaagg cactaccatt cattttaatg 60

gtattgttgc aaatagggta tgcaggaatg gatattctta caaaggatgt cctaaacaaa 120

ggcatgagca tttacgttct ttccgtctac cgtcacggag ttgccaccgt tgttatggct 180

ccgttcgcct tctacttcga caatccagtg attgctc 217

<210> 14661
<211> 179
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-F8

<400> 14661

cgaacaacaa caacaacagc aacaatagca acaacaacaa cacaaacaca aacacaaaca 60

acaacaacag tagtttcgtt ttcctcgatt cccacgcgcc gcagccaaac gcgagccagc 120

agttcgtcgg aataccactc tcaggtcacg aagctgcttc cattacagcc gccgacaac 179

<210> 14662
<211> 72
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-G1

<400> 14662

acttcanggc agtttcaaga tcgtctgctc cgttggcatc angacgtatc cacgttcagc 60

actgtnnctc ac 72

<210> 14663
<211> 198
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-G10

<400> 14663

tgctgttata acacatggat ttgtattgga tgagaagggt atgaaaatga gcaagtctct 60

aggtaacgta gtggacccac gtttggtcat tgaaggaggg aaaaattcaa aggacgcacc 120

tgcttacgga gctgatgtta tgcgtctttg ggtttctagt gtagattaca caggggatgt 180

actaataggt ccccagat 198

<210> 14664
<211> 154
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-G11

<400> 14664

ggcgacgcaa tggcntctta ctccggttgt ntcntcgtcg ttactttggc agttctgtca 60

cantttctcn tagccccagc ttcagccttt ggtcaacagg gaatacatcg attccaattg 120

cgaagatagt caacancaaa gccntctgca tcca 154

<210> 14665
<211> 256
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-G12

<400> 14665

tncgngccac angagactca aagtcnggga nncgngggtc ganacaagcc tctncacatg 60

agtnctgtta ttttttgtt atctttgttt cgtttttctg gtagaagaga gaagaaggag 120

agacgaattg gcagctaagc gattctctct ctttctctct ttctcttctc gtgtaatctt 180

ttggtgttct tgaaaccact ttttttttg ttaattcctc tgtttccttg gaattgtttt 240

ctgctttttt aagaat 256

<210> 14666
<211> 222
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-G2

<400> 14666

cttcaagcac tcaagttcgt gcaacaagct gtggggctca gaggatatgc gcaacgcgat 60

ccactcatcg agtataagct cgaaggatac aatctatttc tggaaatgat ggctcaaata 120

cgaagaaatg tgatatactc catatatcag tttcaaccag tgcgggtaaa gaaggacgaa 180

gagaagaagt ctcagaacgg gaaaccgagc aaacaagtag ag 222

<210> 14667
<211> 216
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-G3

<400> 14667

tgggagtcta ttgttgctgg attactacat gacacagtcn aggatacaaa tttcattact 60

tttgaaaaga tagaagaaga gtttggtgca actgtgcgtc acatcgtaga aggggagacc 120

aaggtgtcaa aactgggaaa gttaaagtgt aaaacggaaa gtgaaacaat acaagatgta 180

aaagcagatg atttgcggca gatgtttctg gcgatc 216

<210> 14668
<211> 221
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-G6

<400> 14668

gcccacgcgt ccgcccacgc gtccgatcag ttggagtcga agcacagctt actcatttgg 60

cttcaatcac tcagattatt gaccccaaac ttcaccatca cttagagaaa ttgggtggtg 120

gtgactatct ctttgctatt cgaatgataa tggttcagtt ccgaagagaa ttctcctttt 180

gtgactcctt gtacctttgg gagatgatgt gggcattaga t 221

<210> 14669
<211> 210
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-G7

<400> 14669

gaagaacaaa aaaacaaagc atcgaagaga caaaaagatg aacaataaat ttggcgggaa 60

gaagccgacg ggaacaccgt cactagcgtg gtcgacagtc gtagttgtag cctctctgct 120

cgccggagcc tccgtcgttc acaatatata caagccagat ctcacattac ctcagatcga 180

aaacgatgaa ggagacgaga aggaggagtc 210

<210> 14670
<211> 202

<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-G8

<400> 14670

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gggattaagg tcgctagaat tcctagtgag ggtactggaa atgctgcatc ttgctctgag 120

atggctatat atctaatgct gggacttctt aagaaacaga acgaaatgca aatatctctg 180

agaaatagac tacttggaga ac 202

<210> 14671
<211> 201
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-H11

<400> 14671

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ctctctcact atcctctctc tttctactgt ttgtttgatc ctctgcgtac tctgttcttc 120

ntctctcttc agatanaaca ngtcctgcat attgaagatc tgaggtctta gcgattgcta 180

agtgtggata aggangaact a 201

<210> 14672
<211> 223
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-H4

<400> 14672

aagggcgtag aagaaccaaa acctaaacaa aagagcaata ataactcatt aaaaaaccaa 60

aaccaaaaaa aaacaaaacg ggtgtcaaaa tgttattaat ctttggtctc ttgatcttag 120

ctatggtagc taaatccgtc aatgcaacct acccttaac caaatcttgc atcaacgggc 180

aaggttgcat cggggaanac gatgagctcg aatctctann ggt 223

<210> 14673
<211> 103
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-H7

<400> 14673

gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa angggnggcc gcccnanagg ntc 103

<210> 14674
<211> 202
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-097-Q1-E1-A10

<400> 14674

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ggccaacgat actcacaccg atgacttaga cgagcttctc gatagtgcct tggatgattt 120

caaggatctt aatcttactc aaagaaatgg aggggttaag aaagaagagg gtgataaaaa 180

agagacagag tcattgccaa gt 202

<210> 14675
<211> 186
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-A11

<400> 14675

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aactctactc tgttccttct ctcaatattt caaattgtgt caccgtcact cttactgcca 120

agaactatat tctctggaaa tctcagttcg aatcttttct tgatggtcaa gggcttctgg 180

gttttg 186

<210> 14676
<211> 204

<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-097-Q1-E1-A12

<400> 14676

gaaaactatc tttctccttc tcattccttt ttctctcact ctcctccatt aaagctctgc 60

actttctcaa agagaatgtt catgggtaag atgggtcttt tgggaattgc tctgttttgt 120

tttgctgcaa tggtgtgctc tgttcatggc tatgacgctg gatgggtcaa tgctcatgct 180

accttctatg gtggaagtga tgct 204

<210> 14677
<211> 204
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-F6

<400> 14677

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tcaatcctcc tcaagaacgg tcacccttgt gtcgaaggag caatgcatca cgactgcccc 120

atttgctttg agtttctgtt tgaatcacgg aacgatgtga cggttttacc atgtggacac 180

acaattcatc agaagtgctt ggag 204

<210> 14678
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-A2

<400> 14678

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cagtgtacct cagcagcacc aagtgttcct caatttccgt ggggacgaac ttcgtaataa 120

tttcgtcagc catctggata aggccttaag agggaaacag atcaatgtct tcatagatga 180

ngctgtggaa aaangtgaaa atctagataa ccttttcaag gagatcgaaa aatctagaat 240

ccgcgctggc tatcatttcc caaaangtac acagaggtca aaatggtgct tgaangacct 300

gggntaaaat gaaagaantc cgaagggcaa actccntnac gattcccaan cttcnaaaan 360

ggtgggaacn ggctnacggt tagggtatca cgaanggaaa nctttggng cctgncnccc 420

ngaaaaaanc naggg 435

<210> 14679
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-A3

<400> 14679

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gccgtcccgc gaagantcaa acacgatggg gacgaagacc tgcgagatgt taccgtcaga 120

ttaagggaaa gcatacccga aatcacgata ctgtcgtggt gtgcagtcca aaatcaggtc 180

tacgatgttg gtatgaagag gaangtgttg atgatttcat tctgtgttca ttggttcatg 240

ggaaaagaaa tgttcaagtg aagcactgaa gcagcacgta tgcttgcaac aagtatatgg 300

tgaaatctgc tgggaaaatg ctttcatttg aggttanggt catcctttca tgttctcagg 360

attaacaaga tgctttcgtg tgctggagct gatangcttc agactggaat gaaaagtgct 420

ttggtaaanc ncttggtact tgtgctaaan ttgcgattgg acaggtcctt ttg 473

<210> 14680
<211> 376
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-A4

<400> 14680

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gattaatttt acatttgaat cccaaagatg anttataata atattatata tatataanat 120

tttaatcccc agacctcanc ttgttgattt ggttcaaagc tggctgcaag atattgtaca 180

gaacccaaag tagtgccggt gtcacaacaa tcaacaacaa ctgtcctctg ctgtctgaac 240

tagcagccgc cgcttctgcc gcagcataag cctccggang tggagtcnaa aaccctgacg 300

ctgcaagacc ancaccaatn ccctagnccn aacnancgat acctttantc tcaacgcatc 360

cntggtggac cnggtt 376

<210> 14681
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-A5

<400> 14681

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gcaattgatg ttgatgaggc tgatgagctt gatgatgccc tcagtgcaac gagattgcag 120

gatggacgga taaagatctg gatacatgtt gctgatcctg ctagatatgt tacacctggg 180

agtaaagtgg acagagaggc aaggagaagg ggaacttctg tctttctgcc aacggctact 240

tatccaatgt ttccagaaaa ctgccatgga gnatgactta agacaaggaa aaactgtatg 300

ctgcctgtgc tgttgcctgc tctgatggct gtatacagat atcataataa tcatcacaga 360

cgactattgt gctatgaant ntct 384

<210> 14682
<211> 329
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-A6

<400> 14682

gttgatcaaa tggatactga aanatccaaa gaacctggna ccgagagtgc tgatgtgtct 60

ttacaccaat tagctgatat ccagcccggg ccatccattt tggttgatca aatggatact 120

gaagaatcaa aaatcctgat gtgtctttac accaattact gatantgagc cctcactgtc 180

tatttcactg tgcaaanaat atgacgtaag ataaagcact tgaactgctg gtctgagtag 240

tatgcctgcg atgtcanaaa ctcaatcant acgcactaac atggaaacct cataaggaca 300

tcnatantgc gagatgctcc tnccccgnc 329

<210> 14683

<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-A7

<400> 14683

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cgagaaatct acggagtctc cggttttttc cgatgacgcc tcctctcctg ccgatccaca 120

gacgccggat cttgagtctg cttcagaaac tccagatact gacattccga agaagatgca 180

atcgtacact gtggagatcg tttgcgtctc tatattgatt ggttacgcta tcaattactt 240

cactgggtaa acgtgaaaat gagaacctcg ctttggcttg ggcttccaaa tttgggtctt 300

aaagatacga tttttgagaa gaacttcagt ttgcttggga gttggtgaag gagaagactc 360

tcctttgttg ctgaaagaag cgaagaatgt gtttaagttc aangc 405

<210> 14684
<211> 70
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-A8

<400> 14684

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acaacaactc 70

<210> 14685
<211> 207
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-097-Q1-E1-A9

<400> 14685

gctgattctt cgacgaaagg ggaagaggtt gttgaattca aaatctctct ctcttctctg 60

tctctctcgc gtgagctagt tgcagatttt tccagatctc aacattgaaa ttcaaactca 120

aagctagaga gggagagaga tagatagata gagggagaag aagaagacga acacggagct 180

gaaacaatga ttacgatccc atacctt 207

<210> 14686
<211> 217
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-095-Q1-E1-H2

<400> 14686

gaaatggctg gaatggatgt tctctgcagt gataagactg gaactctaac ccttaacaag 60

ctctctgtcg acaagtcctt aattgaagtg ttcccaaaga acatggatag tgactcagtt 120

gtattgatgg ctgcaagagc ttccaggatt gaaaaccaag atgccattga tgcttccatc 180

gtcggaatgt tgggtgatcc taaagaggca agagcag 217

<210> 14687
<211> 212
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-095-Q1-E1-H8

<400> 14687

gaaatttacc taaatctctc cgtaatcatc gatcaaaacg atgctcgagt gtcaatcaat 60

gatggagaaa ttatcaccgt tcgtagacgt cgcctctctg gaaatcgagt ctctgcgaag 120

aatcaaacgc ccgaaacgct tctctgaaga agaatcagaa gaaaccgaga atacgacgaa 180

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<210> 14688
<211> 148
<212> DNA
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<223> Clone ID: LIB25-096-Q1-E1-A10

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gtgctttatc ttctggcaac cagcatattc cttataggaa tcacaagcta acgatgttga 120

tgagcgattc attgggcggc aatgccaa 148

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<211> 204
<212> DNA
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<223> Clone ID: LIB25-096-Q1-E1-A11

<400> 14689

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aggagactga gatcgatcat ctgaatcgcc gaaacatgtc gagcgatagc aatgatcttg 120

acgaagatga gcttcttcaa atggcgttga aagagcaggc taagagagat ctcacctatc 180

agaaacctcc ttcatcttct gctc 204

<210> 14690
<211> 190
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-A12

<400> 14690

agtttacttg agattacaga gattaaggcc cgagaagaag cttcatctga gttgaatctc 60

gatctttcgc gagatccgta caaaatcatc gtcagagaag ccgtcgatag tttcatcgag 120

aaggcgatta tgacaatcga tactgagatg ggaaagcttc atactcagat tgtagaagat 180

gttgatggag 190

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<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 14691

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gcgacaanag tttctaggaa tatgcacaaa ggctatcctc atcatccaac gggcaagaac 120

atttcaacta agcatgcttt tggtctcact agctgcaaan aacaaaaagc caacacttgg 180

ttcattgtan acaagaaccg tggacaaatt tgttggaacc 220

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<211> 197
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-B12

<400> 14692

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caaggatttc tctgttgttc tctttagcct tagttctagc catcgggtcc gtcttggctc 120

acccacctac ccacaagaaa ttacaaaaga ccttgtgtcc atctactttg tccaaagttc 180

aagctttccc ttaccttt 197

<210> 14693
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<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-B2

<400> 14693

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ctctcccttt ttatctacca agatctcata tttcctcatc ttgttttggt ttcaaatcaa 180

acccattcat a 191

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<211> 209
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-B4

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gtatgctgct actactctat catctgccaa atcaatctct gcagaatccc taaatcttcg 120

ttccgattcc aantcagagg caagcgcatg gtgcttctga gtctgagact cgagtctctt 180

taaggaagaa gaggataaag caggatgat 209

<210> 14695
<211> 185
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-C1

<400> 14695

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agtngcatca antgtgatct atgaagcgca aggaacgttc ttactaaacc attacttgna 120

gangaatttt ccaaataaat gcaacgagtt tacgccttac gcnaacaagg gtatgataac 180

gttgg 185

<210> 14696
<211> 187
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-C10

<400> 14696

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ggtttgatat tcaatacttg gattggcgtg ctcgtcaaga tcttcttacc attatgattc 120

ttcatgacaa ggttgttgat gtacttaatc ctctagctcg tgagtacaag tccatcggta 180

cagggaa 187

<210> 14697
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<212> DNA
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<223> Clone ID: LIB25-096-Q1-E1-C12

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ccatgattgt tagatggata cgcaagttcc cgttcttctg cagtgataga gagtatgtaa 180

tcggt 185

<210> 14698
<211> 218
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-C2

<400> 14698

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ccaatccctc cattcgaatt cttcattctc tctctctctc tctctcacaa ttactgatcg 120

gttctgaaat ttgtagctat gcaggcaacg gctttatcat ctgggttcaa tcctctaacg 180

aaacgtaaag atcacagatt tcccaggtca tgctctca 218

<210> 14699
<211> 218
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-C3

<400> 14699

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acgtttcatt tctgggttca agggtgtaga ataaacactt gagtgaagtt taaagcttga 120

gaaagacaga ggaaagaaaa atgggtcaaa gactgaatcn agtcttctgg ntttttgtct 180

ccattcntgc cttttngaat tttggtatgg ctagcaaa 218

<210> 14700
<211> 126
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-C5

<400> 14700

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ttctattgga aagaaaanaa tctttggaaa atggatcaan canaggatnc caccactcan 120

cacaca 126

<210> 14701
<211> 219
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-C6

<400> 14701

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cacacctttg atctcctttg tttctgggtt tctcctaaat catccaaatt ggtatcgaat 120

ttgcccttct ccgattcaat ttcttcacga tctcaaaacc cagaagaaag aatcatgctt 180

tcgttatcat gctcttcttc ttcttcttcg ttgcttcca 219

<210> 14702
<211> 198
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-C8

<400> 14702

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acaggccctc cctaagatgt actatgattt ctacaatgga ggagcagagg atcaacacac 120

tctcaatgaa aatgtccaag ctttccgtag aatcatgttt aggcctaggg ttcttgttga 180

tgtgagcaac atagataa 198

<210> 14703
<211> 69
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-D1

<400> 14703

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tccggcttc 69

<210> 14704
<211> 203
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-095-Q1-E1-G7

<400> 14704

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ttcactggag cttcacgtcg ggtacaatgg cggccagtag gaagatttgt cattctctga 120

tcgttttcct catagcgatt tctacagtct acggtttccg cggattcgat aaaaggctgc 180

ggtggttttg tcgaggcgag ttc 203

<210> 14705
<211> 177
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-D11

<400> 14705

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ttaccagaaa atggagggtc agagaacaca acgccggggt tacttgaaag acaaggctac 120

agtctccaac cttgttgaag aagaaatgga gaatggcatg gatggagaag aggaggc 177

<210> 14706
<211> 198
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-D12

<400> 14706

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tcgatggggt caggtgcatc gaagaatact gaggaagatg acgatggttc caatggcgga 120

ggtggtcagc tctacgtttc actcaaaatg gaaaactcta aggttgaagg agagctcact 180

cctcatgtct atggctct 198

<210> 14707
<211> 76
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-D3

<400> 14707

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tctttcagac actcna 76

<210> 14708
<211> 214
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-D4

<400> 14708

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atttgttcaa atgtgtaatg atgataatgg tgttggttgt ctcttgtggt gaagctgttt 120

ctggagctaa gttcgatgag ctttatcggt caagctgggc tatggatcat tgtgtcaacg 180

aaggcgaagt cacaaaactc aagcttgaca atta 214

<210> 14709
<211> 210
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-D5

<400> 14709

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gttctgacgt cgctggtgaa accgcagccg ctttagccgc cgcttcaatc gtttttagaa 120

aacgcgatcc tgcttattcc agacttctac ttgaccgtgc cactagggta ttcgcgtttg 180

ctaacagata tcgcggcgcg tatagtaaca 210

<210> 14710
<211> 51
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-D6

<400> 14710

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<210> 14711
<211> 89
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-D7

<400> 14711

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cctcagttcc gtcttttctc ncgcaattc 89

<210> 14712
<211> 217
<212> DNA
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<223> Clone ID: LIB25-096-Q1-E1-D8

<400> 14712

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aaaagatgaa catcgctcac actatcttcg gcgttttcgg aaatgcaact gctctgtttc 120

ttttcttggc tccttcgata acattcaaga gaatcatcaa gaacaaatcc actgaacaat 180

tctctggtat cccttatcca atgactctcc tcaactg 217

<210> 14713
<211> 190
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-D9

<400> 14713

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taatctaaga ggaaacgagt tcttttgtga agttgatgat gattacattc aagatgactt 120

caacttgtgt ggactcagca gtctagttcc ctactacgag tacgctcttg atttgatttt 180

ggatgttgaa 190

<210> 14714
<211> 58
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-E1

<400> 14714

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<210> 14715
<211> 193
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-E12

<400> 14715

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gtttatagtt gtcagattcg ccaaccaaat ctggttaaga taatctttga cttcttgaaa 120

aatggattcc aagaaatcag taattcactg gatttatctt ttgaagatga aactgttgct 180

gatgagaaga ttc 193

<210> 14716
<211> 207
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-E4

<400> 14716

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tcaacgaaac gcgaaatagt tggtgttttg agtgttttaa gtagaagacg acaatctttt 120

gtgagcttca gacatatttc cagtttctaa gagattttgc ttagaaaaaa aaaaaaaaaa 180

aaaaaaaaaa aaaaaaaaaa aaaannng 207

<210> 14717
<211> 216
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-E8

<400> 14717

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aagaagattt cgagcttcga caaatcatgc ggattcttac tgctcgcata gctaaccatt 120

tttgcagggc acgaaacgcg aatcctcgat ctcgaaattt ctcctcgtcg aacaagaaag 180

atgaccttac attggaggaa gaagctgaga ggaaac 216

<210> 14718
<211> 94
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-F1

<400> 14718

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anaagagaag agattaannn cctcatccga tgat 94

<210> 14719
<211> 203
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-F2

<400> 14719

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ttcatcgtca agaagatcat taatcgaccg tactcttccg aaaaaccttc cgagatccgg 120

ttttcgattg agtcttcgac atgtggattc cggtaaaaac ctcaccaaga tccaaaagat 180

tcagagaggg attaaccgtg gat 203

<210> 14720
<211> 185
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-F5

<400> 14720

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agaagcagcg gcaacgattc gtggccgcac gatctccgtt agaggaaacc ttattcgata 120

ctcgacgcca ttgagattga ttcacggtga aatcagcgtt ccaaacgcga atcatgttgc 180

tattt 185

<210> 14721
<211> 188
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-G9

<400> 14721

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gaaagcttca gatctagaag aagaagcaga gttcataaag agaaacccat tttaaaccct 120

agaaatcaag tgtcaatctc ggaaaccttc tgattccgca acaatggcag ttacagatac 180

tgaaagtc 188

<210> 14722
<211> 173
<212> DNA
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<223> Clone ID: LIB25-092-Q1-E1-H10

<400> 14722

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gtctcatttt aaagatgatt ctggtccaaa tgcttgggct tattctgctt ggg 173

<210> 14723
<211> 110

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-092-Q1-E1-H4

<400> 14723

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggggggccn cccnangggt 110

<210> 14724
<211> 152
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-092-Q1-E1-H6

<400> 14724

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ttaattatgg attgtcatag aaagacgttc ttgttgaagt ttttgtgcgt ggcatttctg 120

ttaaactaca gcaatgntng gnttggtaan nc 152

<210> 14725
<211> 244
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-092-Q1-E1-H9

<400> 14725

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tgtgtttatc tttttggtcc tggcaatgtg agtgttgtat agaaagggga aggagaagga 180

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agaa 244

<210> 14726
<211> 197
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-093-Q1-E1-A2

<400> 14726

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ttcttgtana gaaaagaaaa ctggaaaatc ttttgttgag aactcagcga tttggggttt 120

gtctcgagat tctattttag gacattttaa tctctcattt gtattttcag acctttttatt 180

tgttatatcc attggca 197

<210> 14727
<211> 204
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-A3

<400> 14727

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ttttctagtt atattgagat tgtggctgca agagaaacgg caaaatgctg ctactgaagc 180

aaatctcacc accgttccat ctca 204

<210> 14728
<211> 153
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-093-Q1-E1-A4

<400> 14728

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ggccttcatg ctctctatgt ccttgcttta attgcattca caagagcagt tcgacatgta 120

gagtttcgtt ttgnngagct tagnnatctn ngg 153

<210> 14729
<211> 200
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-A8

<400> 14729

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agagtaagag agagagaatg gcaggagagg cagaggcttt ggccacgacg gcaccgttag 120

ctccggtcac cagtcagcga aaagtacgga acgatttgga ggaaacatta ccaaaaccat 180

acatggcaag agcattagca 200

<210> 14730
<211> 172
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-A9

<400> 14730

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ttgctttgga ttgggtcgcc ggcgaagata ggcactttcc tcctgattca ccaatcctca 120

ttttgttgcc aggtttaaca ggaggaagtc aagattcgta tgttagacat ag 172

<210> 14731
<211> 187
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-B1

<400> 14731

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catcgcaggc caaagtcttt atacgatggt tcaggagtga gctcgttact cttcgccgtc 180

aacggtg 187

<210> 14732
<211> 195
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-B3

<400> 14732

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tggcttggag gggtgggtta gtacgcgtaa ccgaaattta aatatggaac atgaaatgaa 120

tcatagggat gagagtaaca cacgcggaat ttgtagttct gttaccagac ttgatgtgcg 180

tgaaaccggt gtagt 195

<210> 14733
<211> 200
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-B6

<400> 14733

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acctttggct gttctcggct gtattaacag aaaacttgga cactgtgttt caagaaaccg 120

tatcattcaa gtaaaaaagg tagaagctat tgtattccgg atcaaagcaa cctccagacg 180

tttcttgaaa gcattccctc 200

<210> 14734
<211> 199
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-B7

<400> 14734

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gcttaatgat tagagtctta aagctgtgct ctttcttcat cgatttgagc aagtgatctt 120

ggaaggctct tgagttctga attccttgta agcaatcatg gcagggaaaa gagaaaactt 180

tgtgagggtg gatgatttg 199

<210> 14735
<211> 199
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-B8

<400> 14735

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gtgagcgaag aactagtaga ccgagctctg ctaaatctct ttgctgttca acttcgtctt 120

ggacttttg atggtgatcc aagaagagga cagtacggaa agttaggatc aaatgacatt 180

tgtagctcag accacagaa 199

<210> 14736
<211> 187
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-B9

<400> 14736

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aggattggtc gactgatttg tgtgaatgtt ggatggacat aaactcatgc tgcttgactt 120

gttggtgccc ttgtgttgcc tttggacgca tcgcggaggt tgtagacaga ggttccacat 180

cgtgtgg 187

<210> 14737
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naancg 126

<210> 14738
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<212> DNA
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<223> Clone ID: LIB25-093-Q1-E1-C5

<400> 14738

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ttgctaacgc cacaaatgac gtagctggtg atggaacaac gtgtgccaca gtccttacta 180

agagctatct tcaa 194

<210> 14739
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<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-G8

<400> 14739

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aacacaagag aagtggagct aaacagagaa attcgttgaa gagaaacatt gatgctcaat 120

tccacaactt gtctgaaaag aagaggagga gcaagatcaa cgagaaaatg aaag 174

<210> 14740
<211> 183
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-D4

<400> 14740

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ttggagctaa cagtaccgtt gtgttggcga tcatcttctt cggatgttta tttgcgttgt 120

cctctgcaat agaagaggct acgaagttag gatcagtgat agggatagat cttggtacta 180

ctt 183

<210> 14741
<211> 198
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-D5

<400> 14741

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cgtctacttc accctatacg gtatgatgct tgtcgccttg acaccaaact atcaaatagc 180

tggaatctgc ttgtccttt 198

<210> 14742
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<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-D6

<400> 14742

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cgttctatag gatttacatt ggttgattcg ctccggccaa cgaacttggt ttccctgcga 180

acgggaaata aacgttcgt 199

<210> 14743
<211> 198
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-D7

<400> 14743

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ttctttactt cacaacgcag agcttcaatt tctccctcgc agtgattgat caaagatggg 180

aagtcagaag aatgtgaa 198

<210> 14744
<211> 201
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-E3

<400> 14744

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gctttggccg tgactggttt t 201

<210> 14745
<211> 173
<212> DNA
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<223> Clone ID: LIB25-093-Q1-E1-E4

<400> 14745

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cttctcgaga atgggagatt gaagaagtaa gagattcact gattgaggaa gag 173

<210> 14746
<211> 199
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-E5

<400> 14746

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aagtttcctc cctttcagtc ccgaaagcct acgccgccgt aatcgtatat acgttgacgg 120

catcaagtct aaaactgtaa tgaaatatta aactatctac tttaatgtat tatctatctc 180

tatatatcac cgttgatca 199

<210> 14747
<211> 194
<212> DNA
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<223> Clone ID: LIB25-093-Q1-E1-E6

<400> 14747

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ttacatgggg ttgg 194

<210> 14748
<211> 198
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-E7

<400> 14748

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atcattaaat ttctttgacc caaagtttca atctttttca gtttctggaa tctcttgctt 120

cgatcgaatc actctcatgt ctaacgaaga ctctcttccg cctttcactt tgtttggttt 180

ggatgatgtc gaaaatta 198

<210> 14749
<211> 173
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-E9

<400> 14749

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cttcaccttt ctttcttacg attgcaagga caagctaatg actttaaaat ccagtacagt 120

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<210> 14750
<211> 255
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-093-Q1-E1-F1

<400> 14750

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gtccgaagag agacatttga aaactacttc gttagagatt gagggaattt ataaaaaaac 120

tgaggccgag catcctagca ttgtggtcac atatacacgg cgtggtgtcc ttcagaagga 180

ggtcattgcc caccccacag actttaggcc aacaaatccc ggaaacagcc caggcgttgg 240

acactctaac gggcg 255

<210> 14751
<211> 193
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-093-Q1-E1-F12

<400> 14751

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gtcactccct ctgcttctga ggaagagatt cgcaaggctt attatatcan ggcaagacaa 120

gttcaccctg anaagaatca angtgatcct ctagctgctg aaaagtttca ggttcttggt 180

gaagcttacc aga 193

<210> 14752
<211> 228
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-093-Q1-E1-F2

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aagctctctt gtttggtttt tctcatagta tcgtctcttg tttcgagttc tcttgccacc 120

gctccgccca acacatctat atatgaaagc tttctccaat gtttcagcaa tcaaacaggt 180

gctcctcctg agaagttatg cgacgtcgtt ctgcctcaat agcagtga 228

<210> 14753
<211> 198
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-F5

<400> 14753

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cgtctacttc accctatacg gtatgatgct tgtcgccttg acaccaaact atcaaatagc 180

tggaatctgc ttgtccttt 198

<210> 14754
<211> 221
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-A5

<400> 14754

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tccacagact ccacagaaac cccgtcgttc acccgatgag aacattcgag acgaagctcg 180

tcgccgtcct catcaactcc aaaacctctc cgcacgttac g 221

<210> 14755
<211> 208
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-A8

<400> 14755

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atcactagct agtgactaaa ctaaatccca attatgggtc gtgtacattt tggtgtatca 120

gcattctttg ttttttgttt gttaggttta tcagctaatg caaagatctt caatattaat 180

tctcctccag gttctgatat cactaacg 208

<210> 14756
<211> 186
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-A9

<400> 14756

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gatcttggtc gaagtcctcg gatgcaatat cacgctcttt ctcttgctcg tcaggcatca 120

tttcaagtgg acattgttgc atatggaggt tctatacccc atgaagctgt tctaaatcac 180

ccatca 186

<210> 14757
<211> 178
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-B12

<400> 14757

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gcaagcttgt tgtggtggta attcgatggc ttctcttcag caacctggac gggttcat 178

<210> 14758
<211> 215
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-B3

<400> 14758

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agtgcgcgca tcaacggttt caagatcagc agtaccgctc acgttctcag gcggagatga 180

cttcagtcga tctcccacta ctgatagcaa ctcag 215

<210> 14759
<211> 211
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-B4

<400> 14759

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atccattgtt gaagatcgat gaagcagaat ccaaagacga aaatggagga aatgaagatc 120

tcattttact cgcacatgga cgagaagaac gaatccgatt cagttgttag atctagacca 180

aaggcgagga gataaagcga aggttagatc t 211

<210> 14760
<211> 201
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-B5

<400> 14760

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tttaattctt ctccaattct cattctcctt acatcaatga taaactttgt agttggagat 180

ttgttgtgga tgaagattat t 201

<210> 14761
<211> 137
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-B8

<400> 14761

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cagtattctg aatctttttg tgactctttt ttttcagagc ttaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaag 137

<210> 14762
<211> 176
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-B9

<400> 14762

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aaacgaagat gtatcttcag tgctatatca acgagaaggg tgagaaggtt tacacaacta 120

agaaggaatc accgctaggg ctagccactg aatctgccca tccagcccgg ttctcc 176

<210> 14763
<211> 217
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-C1

<400> 14763

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tgttctattt aacttttctt atatataaaa aaaatggcga aaaatttact agcaatatgt 120

ctggtgttta tggttgcatc aagtgtggtt tatgaagtgc aagggacttt cttgttaaag 180

ctttacttga ggaggaagtt tcccagacgt tgtatcg 217

<210> 14764
<211> 187
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-C11

<400> 14764

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catacgactt gatgagacca ccgaaacagg ggaatttctt cagccttgta ttgaagctgc 120

attgcatttg gggtgcacac caaggagagc ttcaaggagc caacggaaca ttaacccgag 180

atgttat 187

<210> 14765
<211> 176
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-C12

<400> 14765

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aactaactcc gatatccaaa acccactcca agtttcacga acgaagggct tagtatctgc 120

catggctcct gatgcttcta ctgctcttgc agcgagggag aaagttcagc aaatcc 176

<210> 14766
<211> 220
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-C3

<400> 14766

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cgacgtttct cttcttcacc acatttctct tgatattcgg atcaatctca gccgtccgtt 120

tgcttccacg accaaacact acaacaacca acgatctaga tttcatccga acaagctgca 180

acgctactct atatccagac gtctgcttca cgtcactctc 220

<210> 14767
<211> 214
<212> DNA
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<223> Clone ID: LIB25-092-Q1-E1-C5

<400> 14767

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ctctcaacag attaacgatc tgcaatctca ggtggaacgg caagaaacag aaattcagga 120

taagatagaa gcactgagcg ttgtttcggc acgcgagtta gagaaagtaa aaggttatga 180

gacgaagata tccagcttga gagaagagtt ggaa 214

<210> 14768
<211> 187
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-C9

<400> 14768

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ataaagctga ttcacagatg cggagattct tgattaacca agctaaaggt ctcgtcgacc 180

attctcg 187

<210> 14769
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<212> DNA
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<223> Clone ID: LIB25-092-Q1-E1-D6

<400> 14769

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tgtttgtgta cggtttgtgg tggttcggct ttgttacgga cttgtccggt ttgcgatatg 180

gtcatgaacg cta 193

<210> 14770
<211> 215
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-D7

<400> 14770

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aagagtcttc tgatagcgga ccaatattga tagatacaaa gactcgactc cgtgatacac 120

ttccagctga gccacagagg aggaatggaa ggcttcagct aatgctttac aagcttctat 180

gggacactat tgtgaaagaa gggtttccaa cggga 215

<210> 14771
<211> 193
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-092-Q1-E1-A12

<400> 14771

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tccaantaca atactgtcac accacaanaa ccaccgtctc ttacngcggc ggctactgta 180

tcttctcaan caa 193

<210> 14772
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<212> DNA
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<223> Clone ID: LIB25-092-Q1-E1-E1

<400> 14772

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tgttctcgtc tcccagatct gttcgtcaat cta 213

<210> 14773
<211> 193
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-E10

<400> 14773

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atttcacggc gaaccaagcg attctagaag ctgttacgac ggcgcgtaga gttcacgtca 120

ttgatttagg gcttaatcaa gggatgcaat ggcctgcttt aatgcaagct ttagctctcc 180

gacccggtgg acc 193

<210> 14774
<211> 189
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-E12

<400> 14774

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aaccggtcac cggttcgaaa aatcctttgc ctgagccaga ggaagcagag caaaaccagt 120

accggcaaat cttggatcgt cccagtaagt ctctctcttt ttggttcagg cttcgtcttg 180

ggtcctctc 189

<210> 14775
<211> 213
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-E4

<400> 14775

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gttgtaattt ttccatacac ccaatttccc gtggaagaaa aggagtcagc tttttcgttt 120

gctttaaagc ttgaatcttt acatagttcc agttactttc tatagagctt cataatccct 180

agttgcccaa aaggattctg ggttttgtga gac 213

<210> 14776
<211> 163
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-092-Q1-E1-E5

<400> 14776

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tgcctattac tacaaaccag ggagaggaac taaagaaact gataggatca acaactatac 120

aatgttgcag gtgttcgtnt tccttcagcn tcgnttgtna nnt 163

<210> 14777
<211> 214
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-E6

<400> 14777

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cgagatagca aagcgaacac aaatcctatt cgtaaaagca accggatttc taaacgacgt 120

gttctggatg aagaactcga tagtcttgat gatgatgacg aagaaattca atttctcaga 180

aggatgaaaa tggctaaagt tgtggctgta gaag 214

<210> 14778
<211> 208
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-E7

<400> 14778

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gttcaaatag cataagaagc tgtgaatttt cttctttctt ttttgtccaa tgggaacaat 120

ggcagaattg ggaaccatgg gaaaatttgg agccatggca gaagagcagc aagttaacca 180

gatgatcatg gataaacaat cagtagaa 208

<210> 14779
<211> 273
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-092-Q1-E1-F1

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gaggtctatc tctcgctttc atgatcgccg tttgatctaa gatccgaaaa cggacggtga 120

agattcttgg gcggtttggt aatttctgaa aatggtgggg tatgtttaga aaattgagaa 180

aaattgtggg ccgttggatt tgaagtancg aactagagtt gtgtttatgt ttttttttt 240

tcngtctttt gagttttgtc gatattagtt cag 273

<210> 14780
<211> 188
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-F11

<400> 14780

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aatcaaaaaa aattagaaaa tgaaagcctc aacaagagtc atatggacaa tatctgtcct 120

tatgctcgct gctgtgtccg aggccatctt ccctctaccg tttctaccgt tcctccctgg 180

gttcaacc 188

<210> 14781
<211> 189
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-F12

<400> 14781

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ctgccaagaa ctatattctc tggaaatctc agttcgaatc ttttcttgat ggtcaagggc 180

ttctgggtt 189

<210> 14782
<211> 215
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-F5

<400> 14782

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aacatccatt gttgaaagat cacaagatcc aggaaacatt cagcctagat ggaaaaattg 180

aaagaagcaa caaatataat acaaaagagc attgg 215

<210> 14783
<211> 110
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-092-Q1-E1-F9

<400> 14783

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acgccgccgg agcaagaatg tcagccaccg cagcatcaag ctacgcgatg 110

<210> 14784
<211> 187
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-G11

<400> 14784

tctgctctca agataatttt gttctctcaa tttcattctt aaaccctagt tcttcgattt 60

tttccgatct acgacaatgg cggacgctga aacctttgct ttccaagctg agatcaacca 120

gttgctttcc ctcatcatca ataccttta ctctaacaag gagatcttcc tccgtgaact 180

catcagc 187

<210> 14785
<211> 190
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-G12

<400> 14785

taatcaatat tctgaattct ccctggttaa ggaggagggt ctccgttaat ggcggcggca 60

atgttcggcg tcaggagctt tttcttctcg gcggtgattg tgatactgtt cgccggccgt 120

tatggagaag ccaccgcagc tgacagagga tacattaagt acaaagatcc taaagtagcg 180

gtcgaagaaa 190

<210> 14786
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-F4

<400> 14786

gcgatcccaa cacccgtcga gtcgccggca ttacactccg aggtgaatcc gaagacccgc 60

ttttccaaaa ggcgaaacgg agcggactaa tgaccggctc catttcgccc tctatatgta 120

agctcactcg tctctccggt atcatcatcg ctgattggaa nggaatctcc ggtgtgattc 180

ctagttgcat tgagaatctc cctttcttga gacatttaga tctcgtcgga aataaattct 240

cccggcgtga ttccgggcga atatcgggaa nttactgaag gcttaaagtg ttgaatccna 300

nctgataatc acttatacgg gngtgattcc tccgtcantt acnaaattan tgagtttant 360

cncatttggg gtttcnagga ataa 384

<210> 14787
<211> 106
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-F5

<400> 14787

anaaacagaa tggttcattg tctgctcttt cttgtctgaa tccctggcaa tggngtttgc 60

agccgcatga cactganaat tgtacccagt ggcatcctct tnggca 106

<210> 14788
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-G11

<400> 14788

nngngggntg gnggcaactg tcncgccngn tcgtagcggt ccaccnattc angggnccac 60

ccacgcgtcc gcatttgggc caacaacaag agcgttcgcg aagctctgca agtcaataag 120

ggaagtatag gaaaatgggt acaatgtaac tataaaaata tttcctacaa ttacgatatc 180

aagagcagcg tcgcatacca tatgaagaat agtattgatg gctaccgatc tcttatctac 240

aatggtgacc atgatatgat ggtgcctttc cttgcaactc aagcctggat aagatctctc 300

aattattcca tcactgatga ttggaagcct tggatgataa acgatcaaat tgctggatac 360

acgagaagtt attccaataa gatgacattt gctactatca aaggaagtgg acacacagca 420

agagtataaa ccaaaagaga cctctatcat gttcaaaaga tggatnagtg cccagccttt 480

gtaaaagaag a 491

<210> 14789
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-G2

<400> 14789

gcccacgcgt ccgcggtata ttccccccaa gagatattgt ttgtaacttc ttcgttttgc 60

acagtaacgg aggaacttgt ttatatatat atatatataa atgtacaggt cgaatttctg 120

aagctggtga gtgctggtga tcacaatgga gccctaaagg tcgcatgctt tcacttaggt 180

cccttagccg ccaatgacca gtctttactg aagacattga aggagacttt gttagtttta 240

ctccaacccg acggaaccgc acctgggaaa gatttgcctt tgaatgatct ggcanatacg 300

ctacaggttt ctgtcggtaa taggctccgg atcgaaagaa ccgaagttaa tgaaaataat 360

caaangcgac gccttcacac gccataccga gtggtttaag cctcagatgg tgttaaagac 420

cgggttcaat aatccnc 437

<210> 14790
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-G3

<400> 14790

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ttttttgcac aagcaacatt tagcttctgc aaactccagt tcatctctca accctcatat 120

cgccgtgttt tctcgctcta gtaccgcgag ctcggacgaa ccaggaagca atccgttaat 180

ctagaagcgg tgttgagaag atgacgatta catcaaatat ctctgtacag aactaacctc 240

gttgttcaag ggaagactat ccttaccaaa atccctgaca acattatccn aactccggtt 300

accggtaatg gattcgtttc cggttcattt anaggcgcga cgtttgaaca aaagcaagag 360

tcntcaatgt gttccccatc ggtgtattgg anggtcttcg ggttcaangg tgcggtttcc 420

cgggtttnaa gctanggg 438

<210> 14791
<211> 171
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-G6

<400> 14791

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ctatggtctg catnactcat ttctcaaagg cgcgatgaac ataggtgatt gggataggac 120

caaagatttg gngctcaang gtactgantg gattgtcaat ganatgaaca a 171

<210> 14792
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-G7

<400> 14792

cgagtgcaat tcagaaatca ctctgggtga taaaaaacgg tgtcgtatgg ttctttagtc 60

tcatcacttt cctaaagagc agtgaagcaa aatggcgaat tggatctcgt cgaagctcaa 120

agccgccgaa acaattcttc aacagcttga tcagcaggca gcagattctc ttcggaaaga 180

tgagaagtca gagacccatg acgaggtgtt tgagacctct ccaaaatctg gaagtagtcc 240

tgtttctttg aaagatcagt tgaggaagaa gacatatgaa ggtagtgact ctggtagtgg 300

atctcaagag aaactcaaca gagcaaaagc ctagctactt aagtagcagc aaaaaagtac 360

gcaaaccaag atnaatcaca cgaaaaggac aagtgcaccg tcacaaagtt tgacacaaga 420

ta 422

<210> 14793
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-091-Q1-E1-G8

<400> 14793

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ttcactcctt tgcatacacg ggtcaatgta ttctcctcga aacccttttc cttctctcgc 120

tggaactttc tcccggagct ctagaacgag attcattcct tatgctgtaa cggagacgga 180

agaaaaaccc gccgctttgg accctagttc agaagctgcc aggcgtgtgt atatcggtaa 240

catacccagg acggtgacca atgagcagct cactaaactt gttgaagaac acggtgctgt 300

tgaaaaagtt caggtgatgt atgataagta ttcaggaaga agccgtcgat ttgggtttgc 360

tacaatgaaa tcagttgaag atgctaatgc tgtggttgag aaattgaatg gcaataccgt 420

tgaagggcgt ta 432

<210> 14794
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-G9

<400> 14794

gctaaaacat caccagcgtt aacacaagat ccttccgttc ccgaagttcc ttacatgacg 60

gcgagagttt tccgatctcc tttcacttac actttccctg tagcatcagg tcgtaaattc 120

gtgcgtctct acttctaccc aaactcgtac gacggtctca acgctaccaa ctcgttattc 180

tccgtctcct ttggtcctta cactcttctc aagaatttca gtgcttctca gacggcggag 240

gcgttgactt acgctttcat catcaaggag tttgttgtca acgttgaagg tgggaacgtt 300

gaacatgacg tttacaccgg aatcaagctc cgtctaatgc gtatgccntt tgttaatggg 360

attgaggtta cntcaatgcc tgatatgtat angtagtact ggatgggact t 411

<210> 14795
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-H1

<400> 14795

ntgttacttt gccngcccgg tccgaaatan ccgggtcgac ccacgcgtcc gcggacncgt 60

gggaacaggc tatggctgtc acaagcttgg ctcctccatg ggtcatcttg agactagctt 120

tccggtcagt agcagcttct tcctgtctcc acacaaatca aaaaacccta atcacgaatc 180

tctccattcc cacttcgttt cctctccgac agtcagcttt gagaagatgt tacagtgcag 240

aagctataaa aggagatgta gattttctcc tcaaaggagt tggagaccaa gctgttgcca 300

aagaagtcaa gcaaattctt gaaatggcaa gacgtgcatc atcaaaaaga gaagttcttc 360

atacagattt tctcacacca cctattgtta aggaatcagt ttcactattg gaaaaatttg 420

ctgatgttaa gatagttgct caaggganggt taccctgang ctgaacggtg taggatttcn 480

antgga 486

<210> 14796
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-H12

<400> 14796

cgcntgccgt ngccggcaca agtccaaggg ncccggnacg cgtccgaaat cagncaagtg 60

tcttgtagtc gacagttaga ttccatagaa gagtcaaaag gttcaacatc accagaaact 120

gctgatctgg tagtccagta tcaaatgttt cttaatagac aggaagaagt tcttgctgct 180

actcgcattc agaccgcctt tcggggtcat cttgcaagga aagctctacg tgccttgaag 240

ggaatagtga agctccaagc atatatcaga ggtcgtgctg tgagacgcca agcaatgact 300

acactaaaat gcctgcaatc tgttgtgaac attcagtcac aagtctgtgg taagagaaca 360

cagattcccg gaggtgttca cagagattat gaagagagca atatattcaa tgataacatt 420

ctcaangtgg acacaaacgg tcaaaaagag atggggacga tagtccttt 469

<210> 14797
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-H4

<400> 14797

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aacaaaacaa aaaccaaaaa aacaaaaaaa taaatggcaa gaatttcact agggatatgt 120

ctgatgttag tagtagcatc aagtgtgatc tatgaagcgc aaggaacgtt cttactaaac 180

cattacttga agaagaattt tccaaaaaaa tgcaacgagt ttacgcctta cgctaacaag 240

ggtatgataa cgttggtgac cgatctcgaa ggtagcagtc cggccactac agagttcaag 300

actttcttta cacagttcaa gtcttacatg tctttcatcc gagacaacat cggcctcaac 360

aaaaaatgtt gatgccgaag atgacagcta aatgtgacgg tcctttcaag gccatgtctg 420

cattgagtgc taataaaggc gtcaaaatca gcggatgccg gggagtatga agatgaccat 480

gttgtcgatg ggaaa 495

<210> 14798
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-H7

<400> 14798

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taacaaaggc gtaaccgaag aggaagagga acaaatcgac ggttctggtt ctggttctgg 120

ttccggtcaa gagaaggaga tgattcctcc ggtgaagccg tggaatctaa ggaaaagaag 180

agcagcagcg tgtaaagaac cggaatccaa cagtttgatc aataaaggaa ttgtgattga 240

ggagaaggta gtgaagaatc catctccggt gagaggcggc ggcggagtgg tcgaagcgga 300

gaagaagcgt cctatgttct ctatgaagct atcgaagaag gagatggaag aagatttcat 360

tgggatggta ggtcaccgag cancgcgtcg gcccaagaaa cgtccaaaac tgttcagaaa 420

aaaactcgat 430

<210> 14799
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-H9

<400> 14799

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tcttcttatt caaattcaat tgagagatac tctcttcttc ttctttttct ctatccagtt 120

ccttctgtgc gaagttcttc tgattaattt gagtttcttg gaagctttta ctcgatcttc 180

atcggatctt agggttttgt ttaaatccag atcttgggtt ttgttaaata atggcgactc 240

cttatcctgg agcgacgcag gtgggttcgt actttgtggg gcagtattat caagtgttgc 300

agcaagcaag ccaagatctt antcatcaag ttttattctg agcctagtaa gagcnattcg 360

tatcgatggt gantccaacc gangacgngn naattctttg gnggg 405

<210> 14800
<211> 217
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-A1

<400> 14800

ggaaagtgca gctctgtgga gtggcacaat atgggaatct gattggggtc actgttggtt 60

acaccatcac tgcttctatt agtttggtag cggtagggaa atcgaactgc ttccacgata 120

aagggcacac tgcggattgt actatatcga attatccgta tatggcggtt tttggcatta 180

ttcaggttat tcttagccag atcccaaatt tccacaa 217

<210> 14801
<211> 159
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-A10

<400> 14801

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gttagcgcca atgtacttgg cgacatggct tcacgcccta atttcggatt gaacgagcta 120

gatttcgtct tctccactct cgttgtaggt tcgattctc 159

<210> 14802
<211> 191
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-A11

<400> 14802

gaaagtttct agggtttacg aaatttgggt ctctctccct ctctctactt aacgctctct 60

gtatcttctt ctccgtcaac gatacgaacc cagagacgtc ggcggttaaa acaatcgtcg 120

gatctctctg gattcgttag acgagaagtt tccggtatct aatttctgtg cgttagagag 180

aaattagggt t 191

<210> 14803
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-F3

<400> 14803

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gtccggnaaa agctccgtcg gttactccgc cttgaggtcc gtttcgtacc tccgtcaatc 120

tgccgttacc tctccacctc cgattttctc cgccgccgct tcaaccgttc gccagttcac 180

ttccgccggc tatccttcca acagttttca attgacgccg ccgacgaatt ggggaatccg 240

gatagttccg gagaggaagg cgtttgtgat tgagcgattc ggtaaatacg ctacgacgtt 300

gccgtcgggg attcatttcc tcattccgtt cgtggatcgt attgcttatg ttcattctct 360

caaggaagaa gctatcccga ttccgaatca gactgcgatt actaaagaca acgttagtat 420

ccacatcgat ggtgttctct acgttaagat tgtgggattc taagttagct tcctaagggg 480

ttgaaaatcc taaccaag 498

<210> 14804
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-D3

<400> 14804

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gcatccgcaa tgatgctgtt aatggttttg tggatgatgg atggtcacca atgggtagcg 120

atggtgcaga ggatgttact gtaatgataa acttgtcccc tgggaagttt ggtgggtctc 180

agtacggtaa ttcattcctt ccaagctttg gtagtggcgt gctttgtgcc aaggcatcta 240

tgttgcttca gaacgttcca cccgctgtgc tggttcgatt ccttagagaa caccgatctg 300

aatgggctga ttatggcgtg gatgcttatg ctgctgcatc gctcagagca agtccttttg 360

ctgttccttg tgctaagagc tgggggggttc ccaagtaacc aagtcattct tcctcttgcg 420

cagacagttg aacatgaaga gtcacttgag gtggttagac ttgaaggtca ccctactcac 480

ccgangag 488

<210> 14805
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-D7

<400> 14805

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cccacgcgtc cggaattgca gtgcattgga gcgacaacat tagatgaata ccgaaagcac 120

attgagaaag accctgcctt ggaaagaaga ttccagccag tgaaagtacc tgaacctacc 180

gtggatgaaa ctattcagat ccttaagggt ctgcgagagc gatatgaaat tcaccacaag 240

cttcgttaca cagacgaatc tttagtagca gctgcacagt tgtcatacca gtatataagt 300

gatcgtttcc ttcctgacaa ggcaattgac ttgattgatg aagctggttc tcgggttcga 360

cttcgtcatg cacaggtcnc tgaggaagct agggagcttg angaaggagc ttaggcagga 420

tnacanagga gaagantgaa gctgtccgtg gccanggact ttgagaaggg ctggggaaca 480

cttcggggat cgaganattg nnncncagna gct 513

<210> 14806
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-E10

<400> 14806

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ctgatgaatg gccaagtgaa caacaacaac aacacaaata ttggaggtgc tggtgggttt 120

ggtggtggga ttggtcaatc catggcagca aacggaatca ataatataaa cggtaacaat 180

agtctcatga acggaagagt tgggatgatg gtgcgggatc caaacggtca acaggattta 240

ggaaaccaac ttttaggagc agtgaatggt ttcaacaatt ttgattggaa cgcgtgaaat 300

gaagaagagg aagaagagac actgaaaggg taatgttctg cttgcgcagc atcacacatc 360

ttcaaactca ggataaggat aggccaataa gccgtgatat tgtgcnt 407

<210> 14807
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-090-Q1-E1-E12

<400> 14807

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aacgctgcaa ctctcgccgt cggttacttc cccattttcc ttccttcttc cgattcaaag 120

actcaatttt tattctccgg cgttgaggat tcatctccta aaaatctctg ctttatcttt 180

tgatttgagc tgatttggag aggagaagaa gatagataga taggtaattc ggattgatat 240

ctcgaaaaat ggctcagatt cagcatcagg gtcaaaatgc caatggtggt gtagctgttc 300

ccggtgctgc tgcggctgaa gctgcggcgg ctgcggctgg agctgcggcg gcggctgccg 360

gagctgcgca gcaagggacg acgtctttat atgtcggtga tctggatgc 409

<210> 14808
<211> 272
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-E4

<400> 14808

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ngacgcgtgg gcggacgcgt gggtggttgt gtactggttt aggcctctac acttcaggac 120

aagagttcga ctcgtatttg gtaccaagtc gtgccatctc tttctctctc tctctttcgc 180

cttcacaatc caatatccat gtcgatgttg ttgtattgaa cttaaagaga ggtaataaaa 240

attaccttta aaaaaaaaaa aaaaaagggc gg 272

<210> 14809
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-090-Q1-E1-E5

<400> 14809

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atcattcttc tcaccgtcct tagtctctga aaataaattc tgattttgat ttcgaatttt 120

agggattttg agagagagtc agttatgagt agttcggaga gagtaccgtg cgatttctgc 180

ggcgagcgta cggcggtttt gttttgtaga gccgatacgg cgaagctgtg tttgccttgt 240

gatcagcaag ttcacacggc gaatctgttg tcgaggaagc acgtgcgatc tcagatctgc 300

gataattgcg gtaacgagcc agtctctgtt cggtgtttca ccgataatcc gattttgtgt 360

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tccgccgttg gg 432

<210> 14810
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-090-Q1-E1-E8

<400> 14810

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aacagagctg ctccgtctat tttttccccc ttctctcgaa tcaaccatgg cttctcgtgc 120

tctttcatcg ccgttcaacg cttcgctcta agccgcaaga caaggaagca gttacaggtg 180

gtggctatgg ctcctgagga agagaagctc actcgtcgca atcctctcga tttccctatc 240

gaatgggaga gaccaaagcc agggaggaga ccagatatat tcccaaagtt taagtcctat 300

gaagtcaccg ttgcctcctc ctatgcctta tgattctcca gaagaagagg aagaagagga 360

agagaagaaa gaagaagaaa ctgaagatga cccc 394

<210> 14811
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-F1

<400> 14811

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anaaaccatg cattcacttc cggtgaatct cgtcctcacc gtacttacgg tgttcctaac 180

atcaccggcg caagttatcg gataccgtcc atatccacca aaaaccaacg ggtccgatca 240

aatcttcgac gcttcaaaaa aattcgaagg ngcatcgaat ctcgtccgcc tccgttacca 300

catgggtcca agtcttaacc aanaacatca ccgttcancc aatctggnac ggcacgtggn 360

naaaatccca ggaaggaaga atcatccgtg aggttcatta actcnatctc aggcgttggn 420

tntaaacacc ttcagtcccc gggttgggtg gaaaancgtt cagntttaca ctgnccaaaa 480

tgggatntna naattancng gttcnggt 508

<210> 14812
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-090-Q1-E1-F10

<400> 14812

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cttcacaata tcttcgtcta tggtagcttt caagagcctg acatcatcca tgtcatgctt 120

aatcgtattc ctgagattgt ctctgcaaca cttcctggct ttaagagatt taggcttaaa 180

ggacgtttgt atccatgtat tatcccctct gagaatggag aagttcatgg aaaggtacta 240

atgggattga ctaatgatga acttgagaat gtagattggg ttgaaggaaa cgaatatgaa 300

agagtgtttg ttgaagttgt aagaaaagac aattctgaga agatgagagt ggaaacatat 360

ccatggatca acaagaatga tcctgatatt ggtggagaat gggatttcga ggaat 415

<210> 14813
<211> 387
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-F12

<400> 14813

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agtgaaaggg aaaatgtcgc ttcacgttca ttgtcacata agcggtggcc atttcctttt 120

agatctcttt gcaaagtttc gatatttcat cttttgcaaa gaactacctg tggtgttgaa 180

ggcttttgtg catggagatg ggaacttgtt gaacaactat cctgagctac aanaagctct 240

tgtttgggtc tatttccatt ctaatgtcaa tgagttcaac aaagtcgagt gttggggtcc 300

gctttgggaa gctgtttcgc ctgatggtca caagactgag actcttcccg aggctcggtg 360

tgcggacgan tgtanttgtt gttttcc 387

<210> 14814
<211> 332
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-F2

<400> 14814

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ggggatatcn atgaaatcag cgaggatcgc ttattgnggt ctcttcggtg nctctcntgt 120

cgtctcctgg attcttcgtg agactgggtg ctccgctcct cgagaaactc ncttggatca 180

atacttctga ttcanaatac caaanaatgg tatcangcaa acaagctgtt cttcntgtna 240

gctttgggaa tttcctcatc tttgcaaaat atgctttgat catgattggt gtcaaggacc 300

agaatgacan gcgtgactcn tggcancatg gt 332

<210> 14815
<211> 431

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-F3

<400> 14815

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ctgtcaaata tctctgacca gagagacaga gttgcctcca cgtttcttca gacaagactc 120

acgctcttcc ctttcaccac attcccttct ccatttctca atctcactta ccttctcgat 180

tcttgctcca atttcgaatc ttccgagtga aaaaagcttc aaagtttgga actttctagt 240

gtttattaat ctgggtctgc tctgagtttc gtgtgtagct gcatatgagc ttaaagctcg 300

aagtttttcc atctgggttt gggaattcca nggctaagtg attgggagaa tttggggaat 360

ttaagttgat tttaagtagg tttgacttca aggttgcggt aattaaggtt gattttgatt 420

cgganttggg g 431

<210> 14816
<211> 75
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-F6

<400> 14816

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tgagcgacng ggatc 75

<210> 14817
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-F7

<400> 14817

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caattcgtga acaaattagg gtttttgaag tttgaagaag gagagaaaga tgagtgcttc 120

aaggtttatc aagtgtgtca ctgtcggcga cggtgctgtt ggaaagactt gtcttctcat 180

ctcctacact agcaacactt tccccacgga ttatgtgcca actgtgttcg ataatttcag 240

tgccaatgtg attgttgatg gcaacactat caacttggga ttgtgggata ctgcagggca 300

agaggactac aatagactaa gacctttgag ctatcgcggt gcagatgtct tcttacttgc 360

attctcactt gtcagcaaag ctagctatga aaatgtttct aaaaagtggg ttcctgaact 420

gagacattat gctcctgggt gttcccatca tcctcgttgg aacaaagctt gatcttcgag 480

atgataa 487

<210> 14818
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-090-Q1-E1-G3

<400> 14818

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cgatttcatg atcggttgct gtatggagac taattgctgg agtttaggtt cgtgtgtttt 180

gaactgagct tttggttctt gtttgtgtct ggtgttgaag acatggattt ggaagctaat 240

tgtaaggaaa aactttcata ttttcggata aaagagctca aggatgtgct cactcagctg 300

ggactttcga aacagggaaa gaagcaggaa cttgtcgacc ggatcttgac ccttctttct 360

gatgaacaag ctgccaggtt gttgtcctaa aaagaataca gtggcaaagg aagcaagttg 420

ccaaattagt ggg 433

<210> 14819
<211> 92
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-D2

<400> 14819

tttgtcantg aatatttngt ttgcaatgga aagagatttt ctgggtttga gcgacaccag 60

tatctaagta ataacgttaa gnatgangtt aa 92

<210> 14820
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-G5

<400> 14820

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ttcagtgcgt ctgagagttt gattcagact acttcacaca actgttggac tgtttttgct 120

ccattgttgg caaatgtgat gtgttgtcct cagctagatg ctacactcac aataatcctt 180

ggtaaagcga gtaaagaaac cggtttgctt gctttaaaca agaacccagt ctaagcactg 240

tctctcggat ttaagagcaa atcttggtan gaaaaggcgc ttcaggtcag cttantaaga 300

tctgttctat tcactcgtcg aatctcactt cttccgtcgt gccctgttat caatgtcgat 360

gagtttgaaa gcacggtgga tacaacgaaa acttcttttg gcctgtgaaa aaaattgatc 420

ccggtgaag 429

<210> 14821
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-A5

<400> 14821

acaactagct ccaatggcat aatgagcatt gtagtttgca atttcttctt ccgtgaagaa 60

gaagaagatg gctttggaga aagaggaaga agcgtcacaa aacggtgcgt tttgtgtcct 120

tgatgggctc tattgcgagg aagaaaccgg gtttgtggag gacgatcttg atgacgatgg 180

agatttagat tttctcgaga aatctgatga gagtgttgta aagtttcagt ttttacctct 240

tttggatatg ttcttatggg atgacgatga gattctgagt ttgatttcaa aggaaaacga 300

aacgaatcca tgttttgggg aacaaatctt agatggcttt ttggtttctt gtaggaaaga 360

ggctttagat tgggttctta gggttaaatc ccattatggg tttacttcat tgacnggcta 420

tacttgccgg 430

<210> 14822
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-A7

<400> 14822

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atgaccgtca aattagggta tggggagctg gtgctcaaag aagattgagt aaatctcatg 120

ttttggtatc tggaattaag ggcactgttg ctgagttttg taagaacatt gtgttggcag 180

gagtaggtag tgtgactctg ttggatgatc gattggttac aacggaagtc ttcaacgcaa 240

acttcttgat tcttcctgat gaaaatgctt atgtaggcaa aaccgtagct gagatttgtt 300

gtgattcact taaggatttt aaccctatgg ttcatgtttc aatagagaaa ggtgatttgt 360

caacacttgg gtgttgattt tttcgagaag tttgatgttg tgggtaacgg gtacanntcc 420

cnttcca 427

<210> 14823
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-090-Q1-E1-A9

<400> 14823

agggtttcta ttccggctga tctgcttcaa accattcaaa acatcagaga ggttaccggt 60

aaacaacatt ccgacgagga tatcttctct gtctttaagg agtgtttcag tgatccacat 120

gagaccactc agaagcttct ctatttagat acatttcatg aggtgagaag caaacgggag 180

agaaagaaag agaatttagt gccaaataca caaggaaggg gccggactgg acggaagaac 240

tttgcttcaa gttacacaga tgccagtaat ggaagaagtg cagcttttaa aaagcagagt 300

ggagctaatc acataatagg aggttctgga actgcttcgt ctgctcctaa caatgcaaga 360

aacgacacaa aaccttcttc caataatggg cccgaac 397

<210> 14824

<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-090-Q1-E1-B10

<400> 14824

attgattatg tgtcggacag agactatcga gtaataccca gtagtcaatt atctggtttt 60

tgatcgattc catcaaaatt tgatcttttt tcttctctga agcgaaagct ctcgccttta 120

cattttcgcc aattgtgcaa atttactgtt ccacaagttt tcaaaatgaa ggcgatcttc 180

aaccgtagag ttgtcgtcga ctcatcttcg cgtctcacca agctgctcgc gaatccaact 240

actcattctc acctgaatcg tcaaactttc acttctctct ataaaccaaa ccagagccgc 300

cattttcgaa cacactatct tccttcaagc ccgtcgtctc ctcccgtgag ccgctttgac 360

ccttctcagc tatggcgatc gggagaaa 388

<210> 14825
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-B11

<400> 14825

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aaaagtttcc gatatggctc gctcgtttgg agctaacagt accgttgtgt tggcgatcat 120

cttcttcgga tgtttatttg cgttgtcctc tgcaatagaa gaggctacga agttaggatc 180

agtgataggg atagatcttg gtactactta ctcttgtgtt ggtgtttaca anaatggtca 240

tgtcgaaatt attgccaatg accaaggaaa ccgtattaca ccttcatggg ttggttttac 300

tgactctgaa agactcattg gtgaggctgc taagaatcaa gcagctgtta atccagagag 360

gactggtctt ccgacgttaa gagaattgat cgggcgaaaa attt 404

<210> 14826
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-090-Q1-E1-B12

<400> 14826

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cgcgatatga tgatcgatgt actcaccact accaacnaan cagtanatct acantctcac 120

caccaccaca atcacnacaa tcatcatctc caccantctc agccacaaca acagattctc 180

ctcggagaaa gcagtggaga agatcacgan gttaaagcac canagaaacg agcggagaca 240

tgggttcaag acgaanctcg tagcttaatc atgttccgta gaggtatgga tggtttattc 300

aatacatcca aatctaataa tcatctctgg gaacaagatt tcgtctaaga tgagagaaaa 360

anggtttgat cgatctccga ctangtgtac cggag 395

<210> 14827
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-B2

<400> 14827

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atctccttga tgatccgggg atctggtgct ctcagagtca tgggcaataa ccttggaggc 180

agcgtaagtt tagnagattt ctccatgtct ttgaaatgga gcaacattgg aaatctccat 240

ctgcatcttc ttcagccaat atgtgtggnc ngntatacaa ncagtgtttg tgccatatgc 300

aaatgaccac ctaagaaaag ggattcccgt tgcccataat gcacggattc acacttcata 360

atgcngaaat catctgctca gaatctnaaa tcacantttg caacnatgtc ccctacttgg 420

attcntcgca anatnctcaa tggnnttg 448

<210> 14828
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-B3

<400> 14828

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cctaacactg gtgttgtctt gcccggtgat tcctgcaatg ttacagtgac gatgcaagcc 180

cagaaagagg caccacttga tatgcaatgc aaagacaagt tccttgttca gactgttgtt 240

gtctctgatg gtactacttc caaagaagtc ctcgctgaaa tgttcaacaa ggaggctggt 300

agaagtgatt gaggatttca aactgcgaat tgtttacatt cctgctaatc ctccttcaac 360

tgtccctgaa agttctgaag aaagnaactc ctcctaaggg cttccctcaa ccgatatttg 420

cctcccaatc c 431

<210> 14829
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-B7

<400> 14829

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tactgcacaa aaaaaaaaaa aaaattgaag aagagcgata cgatcgtaac cagggagctt 120

gatttctccc ctgatttttc taatggattc tcaacagagc gatctctttg acaccgcatc 180

gcagccggac acggtggccg acgagtatac ctttttggaa ttcaatactc aaggcgattc 240

agagttcgat taccaggatt ttggatcgcc gacggcatgg ccgacaccgt ctgattctat 300

ttccatcgct gacgttgccg atcgtggtga aggaggagct gccgcggatc atcattctga 360

ggcttcgtca ccttcgtccc tctctgccgg tgccgggaat ggtgcgaaag tgggacgcgg 420

gtgganttgg g 431

<210> 14830
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-090-Q1-E1-B8

<400> 14830

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agctttaaaa aacccatctt tggtgtttga ttctctgttt atttaattca taaaggaagg 120

ctctttttt tttgtttatt tcaggctcat tacgttgatg gtcatctaaa tctcaagaag 180

acaaagttgc gatttttgca actgggtttc tctcttcaga gatttaatct gtataagaag 240

atctcaagat cagcttttgt gtattgaaga agaactagga agaacgagga tagatacagg 300

ctttaatcta aactttgctc tctgctttct gcgattaaaa gatggtggct tttgggaaat 360

acttgcagcg gaaacaaatc gaagaatgga gtggctatta tatcaattac aaattgatga 420

agaagaa 427

<210> 14831
<211> 87
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-C1

<400> 14831

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ncggactgtg tttcttgaag aagatga 87

<210> 14832
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-090-Q1-E1-C10

<400> 14832

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tccttgtgga caaaattagt cgacttctct gttctctcca acactgtttc gttttcacta 180

cccaaaattc gaatctgggt tattgaaaaa gttccaattt ttttatctgg gtttttcgaa 240

agctgatatc tttttagaat ctgatctatc tcttctactt catttccctt gcatttttt 300

aataagttgt agaatctgtc ttgttctgga aaaatatgga gtcttgcttt cctgccatga 360

agctgaatca agtgtacctt tggtctcaac aacgaaattg tctcg 405

<210> 14833
<211> 301
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-C2

<400> 14833

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acgttgattt caaaggcgtn acacgtgatg gantagatta tcacgccnag gtctccgtca 120

agaatcctta ctctcaatcc atccctatct gccagatntc ttacatcctc aaagatttgc 180

cacaaggacn atctcgtcag gcacgatacc nggacccggg ttcgttggtt gggaacngca 240

cgacggttct ggacgtaccg ggttaaggtg gcttatagca tagcggttan tctgatgnaa 300

g 301

<210> 14834
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-C3

<400> 14834

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ccataaanaa naaaaangag ttcaaaatga aaaacgtgag aaatggattt gtcatcattc 120

ttctcaccgt ccttagtctc tgannataaa ttctgatttt gatttcgaat tttagggatt 180

ttgagagaga gtcagttatg agtagttcgg agagagtacc gtgcgatttc tgcggngagc 240

gtacggcggt tttgttttgt anagccgata cggngaagct gtgtttgcct tgtgatcaag 300

caagttcaca cggcgantct gttgtcnang aagcacgttg ngatctcaag atctgcgana 360

attgcgggaa cganccaagt cctcctgtnc ggtgtttcac cgatnatc 408

<210> 14835
<211> 437
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-090-Q1-E1-C4

<400> 14835

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agggatatgt ctgatgttag tagtagcatc aagtgtgatc tatgaagcgc aaggaacgtt 120

cttactaaac cattacttga agaagaattt tccaaaaaaa tgcaacgagt ttacgcctta 180

cgctaacaag ggtatgataa cgttggtgac cgatctcgaa ggtagcagtc cggccactac 240

agagttcaag actttcttta cacagttcaa gtcttacatg tctttcatcg agacaacatc 300

ggcctcaaca aaaaatgttg atgccgagat gacagctaaa tgtgacggtc ttttcaaggc 360

catgtctgca ttgagtgcta agtaaaaggc gtcaaatcag cggatgctgg ggagtatgaa 420

gatgaccatg ttgtcga 437

<210> 14836
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-D1

<400> 14836

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tcgctcgacg tttattattc cgacgactag gcctttgagg cagtttctga ttaacttcag 180

gcgataatgg caaacagaac agatccgttg gcaaagaata taagaggaac gaatccgcag 240

aatctggtag agaagattgt gcgaacgaag atttatcagc acacctttg gaacgagcag 300

tgctttggtc tcacggcgga gacattggtg gacaaagcta tggagctcga ccatctaggt 360

ggtacctttg gtggtagccg caagcctact ccgttccttt gcctcatatt gaagatgctt 420

caaatccaac ctgagaagga aattgtcntg ggagttcata aanaatgatg actacanata 480

tgttccgtan tccttggtgc gg 502

<210> 14837
<211> 380

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-A3

<400> 14837

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tctctctctc tctctctttc atcaagtctt ccttctcatt cgtctccttc ttcgtcttcg 180

tctaccctttg nagaagaaat angaaactcc atttatttat tancctctct ctcnctctct 240

ctctcntctc gttatttctt tatttgattc ttcgtattga cgtantggct tgcgtcacct 300

caatctcgtt ctcttcaatt ccaaatttcc tggggataga taganncatt tttagcgcgc 360

aaaaatgnta natccgggat 380

<210> 14838
<211> 113
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-089-Q1-E1-G1

<400> 14838

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caactccaac aattggtgtt tgaaantccg ccagcaanaa ctcctcaagg ttt 113

<210> 14839
<211> 67
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-089-Q1-E1-G10

<400> 14839

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antatgc 67

<210> 14840

<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-089-Q1-E1-G12

<400> 14840

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agaggtaaga ttgttcttga agaatcgatt ctatagagcg tgttagcttc aatgctaact 120

tgggagaccc cagttatgct tgcaagcaac accgcctcaa ccaaaaagct agccttcatt 180

accacctttc tcatcatttg tgttatgtcc ggtcacaatg ggtcatgtct cagccgcang 240

cggatgtttt gccactgcca gcctcagacg cagattgcct cttgagattt aaagatactt 300

tggttaatgc atcgttcatt agcagttggg atccttccat ctccccgtgt aagcgaaact 360

cagagaattg gttcggtgtt ctctgtgtta ccggtaatgt ttggggccta caactcgaag 420

gaatgggctt aaccgggaag cttgaccttg aaccattaag ctgcaatcaa gaatctacga 480

accttgagcn tca 493

<210> 14841
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-089-Q1-E1-G5

<400> 14841

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ttttatttgt ttttctctta aacggaggag agaagatggt ggcgcctgct ttgttaacgg 120

gagctctggg acggagatcc ttgtaccgat ttgtgcnggt gattggtaac cgccttttcg 180

ctttttcnaa tggtactttg tatctcgcgt gaaaactcaa cctcctgaac ctcgggcgca 240

atccgtcctt cccgggtgga agcctaaaca atggggaaag aaatggataa cggtgaanta 300

accaaaccaa nggaagaang aanggnttaa tgaccaaant gntgttccct aaagtgcgct 360

ganattcaag actgctaatt ccgaaagtgc aacttcantc ctaatcacgg gagtacaaat 420

aatgttggtg gtcctcaaag antttccttt gccngctggt taa 463

<210> 14842
<211> 527
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-089-Q1-E1-G6

<400> 14842

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ccacgcgtcc ggtttaatat cttattgttt aaaaaagaan aacaagacta tgggaagtgt 120

acagttgagt ggttccggcc tagtagcttc tctacctcca aatcatagct ttagccacaa 180

gaccaaactt aataagccaa attcgtactt ctttcgctca aaacacaatg ccgcaagaac 240

caaaaccgtc cgagccataa gcaccgcacc agcgagccag cctccagccg ctgatgagcc 300

cgacgaacct cctgctgtcg attttgcgtt cgtccattcg gtgttgttgc cggacgggac 360

accggacgta cattggagaa aagcgaacgg tggacacaaa ctaatgaaga cataatgttg 420

gnttccaaaa tcnaactcna agggtncctt aaantaagcc cttgtcaaac tgcgcaaggn 480

gttnggaact tgcgncaact tgcatggtcc aanattggta aatggga 527

<210> 14843
<211> 164
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-089-Q1-E1-G7

<400> 14843

tgggccccca aattccnaaa gattntcccc aaaatgggtt tccaaccgtn agggagaana 60

atttcttcaa caaccaaatg ggccgttccc caaagggcgg ctcaacnatt gatttaacgc 120

cgaaatcctg gggtttaacg cntggtgnct ccaatccang gggt 164

<210> 14844
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-089-Q1-E1-G8

<400> 14844

antgttcccc tgccgtccga aaattcaagg gtccacccac ccgtccgnat ccgaaacact 60

tcactctctc taatcaaaaa gcttttaacc tcagccgtta aatctttctc cgatcatgcc 120

gaccagaaac atcgccattg gtggagtcca agaagaggtc tatcacccca acgcacttan 180

ggcggcgctc gctgagttta tctcgacttt gatcttcgtc ttcgncggnt caggctccgg 240

aattgctttc aanaagatca ctgacaatgg agcaaccact ccttccggcc tcgtcgncgc 300

tgccttaagc tcatgccttc ggtctctttg tcgctgtctc tgttggcgct aacatttccg 360

gtgggcacgt taaacctgcc gttancttcn gtgtcntacc ggtggtaana tcantctcct 420

ccgtgggant ccccaaaggg attgctcaag ctccttggtt ccttnnccgc ttggttcccc 480

ccttancctt tgcaaccggg ngg 503

<210> 14845
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-089-Q1-E1-H3

<400> 14845

agaancagct tcgatcaaga gatggcttca cttacttcaa tagccacgcc ttacccatct 60

tcatcgcagg ctttgcgtct gaaatcctcc ggaaacactc ttttctctgc cggagttcga 120

tcggcagcaa tggtttccgg gtcacaaaac gcttaagatt caatgcactt caaccaaacc 180

tgccaaacct gcagctgaag tcgattggga nacagaagag agagcttcta ttggagaaaa 240

agggtgagaa antgtggacg tgaaaggaag ctcaacggtt acaaaaagaa aacaaacttt 300

gtgattcctg atgtaaganc aaaggcagag tacaaggcgg gtcatcctcc gggaagctat 360

caatgtggag atgtacaaga ctcataaggg aatgggacgg catgggacat aactcgcccg 420

tcttggcttt gctttccttg gtaac 445

<210> 14846
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-089-Q1-E1-H4

<400> 14846

ttagggtttc aatctctctg ctctgcttgt catcaccacc accaccacca ncgtcgtcgt 60

ctctctgtat ctctccggcg ggttctctct ctacttcccc cggaggatta aaatatggac 120

caagtctttt attttgatat tccgttagct tgttcagtta ttgtagaagc tgtaccgtca 180

agacttttaa tatctcaaat ggatgatggt gggcatcgtg agaatggtcg gcataaagca 240

ncagttcaag gccagtgggt tgatgcaagc atcaaccgtt cgatgaaaca angtgatgtc 300

gataatagca aagccgcgat gcaacgattc aagagaaaaa tctgggcgat atcagntaaa 360

aaagcagcag ttanctgaaa agggacatgg gcgtttcctc aanagggaca acgncattgc 420

ttaagngcaa cnatggcgat tatgggggag aaaca 455

<210> 14847
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-089-Q1-E1-H7

<400> 14847

tgattgatcc acatggcttc cgctgccgca agttccgcct tttcactcct taagtccacc 60

ggcgctgttg cttcctccgc cggaactcgc gcacgtgcct cccttctgcc aattccctct 120

acctctgttt ccgcgcgtcc tctaagcttc tccgccantc taaattcccg tcgnttctct 180

ctccangttg cttccaaagt tgaatcggtg cgtgggaaag ggaaganagg atggtttcta 240

tggcgaagaa aacgtcngag atntggactc agtgaatttg aaggggaaaa aagtttcctg 300

aaanctgatt tcaaaggtac ctccccanga aaaacaagac taacactgga cgataacaag 360

aatccgtgnc ggccattcca aangattnna gtatntgagn tgaaaatggn gggaaaagtt 420

ancctctcca ntcaaa 436

<210> 14848
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-089-Q1-E1-H9

<400> 14848

gngnnngaag tgttacttgc cggcccggtc cgaaataacg ggtcgagcac gcgtccgcaa 60

aaaacgaatt ctcgaagaga aagacactga atcgaaaaa tctatagaga gctcactcac 120

tagcaatggc gtctcttctc ggaagatctc cttcttcaat cttgacctgc cctcgtattt 180

cttctccttc ctcaacatct tcaatgtccc atctctgctt cggaccagag aaactttctg 240

gaagaatcca attcaatcca aagaagaana gatctcgtta ccatgtctct gttatgaatg 300

tcgctacaga gatcaactct gttgaacaag caaagaagat tgattcaaag gaaagtgcaa 360

gacctgttta tccgtttgct gctataagtt ggacaagatg aagatgaagc tatgcctttt 420

gttaaatgtg attgacccga agataggtgg tgtgatgata atgggagata gangaactgg 480

taaatcaaca actgt 495

<210> 14849
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-A1

<400> 14849

tgatattact gttcttcaga acatgactgg gtttaaaaga ggtttggctt cactccaaca 60

agttttcggg tcctttaccg gacttttcgg gtcttaagga gcttgagagc ttgagtttga 120

gagataactc ctttacaggt ccagttcctg cgtctttgtt aagtcntgag tcacttaaag 180

ttgtgaactt gacgaatant catctacaag gaccagtgcc tgtgtttaag anctctgttt 240

canttgattt ggataaagat tctaacagct tttgcttgtc nantcctggg tgantgtgat 300

cctagantga agtcattgct tttgnaanct agctcaatcg attatccgnc ccngctcgct 360

gananttggn aaggaaacga tcttgggcta actgngatgg gatatcntgt nncannggggg 420

aacaatactn gttt 434

<210> 14850
<211> 408
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-090-Q1-E1-A10

<400> 14850

ttttttcttt tgttctctct ttcttacata tttcttttgg atttcgttgt ctttttttc 60

tctcttttct tctcctctct ctcgctcgat ttcaatttgg gcgagaaagg agcggtcttt 120

tgtctttcct gggtttatca gctagatccc tcttgcctaa agtttgtaac tttcttaggg 180

ttttcttctg atttcctctc tctcggggtt aattctgctc aaaaatggtt tgattcagag 240

gcaaatctgg ttttgtttag acaataaagt tcgggacttt ttgacatact cacagctggt 300

ttttagcttt ggttcttata gagagtaata gtagtgaagg gtttgtgcca atagttagaa 360

atgatcaaac agatatttgg gaaattacct agaaagcctt ccaaatca 408

<210> 14851
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-A11

<400> 14851

ggaaaaagat atggttggaa tcctgccgcc agagttttgt caagatgatt tctgaaaaac 60

agcttagaga gatggaggaa ctgaaggcaa agacccaaac aactcatgct caaccggatg 120

atctaattga cttcttccat ctaaagagtc ggaagggaat gagtcaactt gagttggaag 180

accaggtaca agatgaccta aagcgtgcaa ctggagaatt caccaaggac gagaacgatg 240

ctaacaaact taaccgcatt cttcaactca caggattcag tgacccagtc tatgctgaag 300

catatgtaac ggtacaccat tatgatattg ctcttgaagt tacagtaatc aaccgaacca 360

aggaaaccct tcagaacttg tgcttggngt tagcaaccat gggtgatctc aaactt 416

<210> 14852
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-090-Q1-E1-A12

<400> 14852

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caaatcttaa gtcctccaaa ttttaaaaat ttcgatctcc actaccttcg tcatcttcct 120

ctacttctga ttctcttttc tgggtttgtc gtttaatggg ttgattttgt atcgtcaaaa 180

cggagaaaac aagaagactt cttttggttt tcttattgcg aagaagatat ttctagggtt 240

tcgagatttt ctgggttttc tgggtttttg tgtgttcttt gattggattt gattattggg 300

caatttcctt ggaattcaag aaacttctaa ggttcttaaa gtgtaaagct ttgtgatttc 360

tcttattcat acattctagg actttgggtt ttggagttgt aatgggctt 409

<210> 14853
<211> 195
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-A2

<400> 14853

cngngtcaga agagaanagc gcattgtttc ccatttttat cntgacgatn atggcaattc 60

ctttggtgcc ttacaccatg gtcaagttaa gcggtgctct ctccaagaat ncaaaggacc 120

attcattgtc agtgtctcga gtgtgaccgt tctggnaaat ataagagatc cttgtttaaa 180

aagatcncna acttc 195

<210> 14854
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-089-Q1-E1-F7

<400> 14854

taccctaatc acattttgta acaataatac anttatacat taaaactctc cgacgatgcc 60

tcaggcaccg atgccagagt tctctagctc ggtgaagctc aagtacgtga aacttggnta 120

ccaatatttg gttaancatt tcttgagttt tcttttgatn ccgatnatgg ctattgtcgc 180

cgttgagctt cntcggatgg gtcctgaaga gattcttaat gtttggaatt cactccagtt 240

tgacctantt caagttctat gttcctccnt cnttgtcatc ctcaactcca atggttaact 300

tcaatgtcca aanccacgca nncaaccaac tcgttgacna atcctgttac aangccaact 360

gtcacgtgtc gtgtccccnt cg 382

<210> 14855
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-088-Q1-E1-E5

<400> 14855

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tttctacttg tatttgagga aaaaaaaagt tacaatatca atattcccaa aggagcttag 120

aataggaaca agaatctggt gagtgattgg tgctccattc ttcaaacgca gaagacaatg 180

atgaatgagt tctggttctc tttaaatggt accatcatct gtctggaaca catagccagc 240

ctccttaaag tgagatttca ccaatgctaa agacttgtac ctatgtgata tcttgttctt 300

ttcttccttt gccatctctg catacgtttg gtcatatcca tcaggttgaa acactggatc 360

ccatccgaaa tcagttggtc ctctgggctg gaactatctt acccggagtt ttccccaaaa 420

atgtaagagg ttcagcacct ggaccacgcg agaaag 456

<210> 14856
<211> 530
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-E6

<400> 14856

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gtccganacc tcccattttt caaaccactc tctctttctc tttctctaag tctttaacaa 120

tggcgcgcct tctcttccgt cttctccaag aagccaattc tacatctccg gctgaagctt 180

ctccgccttt caactccgac ctcgtcctca tccttgcggt tcttctttgt gcactgacat 240

gtatcatcgg cttaatagcc gtctctcgat gcgcttggct ccgccgtatc gcctcaagaa 300

acagatcgga tcaaactcat ccaccgccgg tagctgcagc caacaaagga ttgaaaaaga 360

aagtcctccg gtcgttaccg aaactcacct actcgccgga ttctccgccg gcggagaaac 420

tcgtggagtg tgctatctgt ttaacggaat tcgccgccgg agacgagctt aagggtgttg 480

ccgcagtgtg ggacatggtt tccangttat cgtgtancga cacgtggcnt 530

<210> 14857
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-088-Q1-E1-E7

<400> 14857

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atcctttcaa tccaaaaacc atgggagcct gtgcgagcaa acctaaggaa tctgacatcg 120

tcgaaggctc tgtctcgacc gaaaatgctg ttgttgagtc caagaatgcc gcgaccgaga 180

cagatgccac attaactcag gagaagaagg aagagtccat tgaagagaca aagaaggaag 240

gtgagacaaa agaggactcc tctgaggcaa ccaaggctga gccaactcca gaagctgtga 300

aggcagaaga aaaaacatcc tcctggagac tggagcaaca agcacaaaga agaacaacac 360

ctggctgcta aaaacgaatg aagggccctc cccgtgattc ctttgatttc atttaacaaa 420

tctcaaaatc atgagtatgt gcaagtgcaa gtgtttctca cattggt 467

<210> 14858
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-E8

<400> 14858

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tattatttat ttattgtgga aaaagaacaa taataatatg gggatgtcna aaagtatcaa 120

ggttatccta tctcttgctc ttgtagtgtt cttggcactt gcaggaacca aggttgaggc 180

ctccgtaaga tacataactt atcctgctat cgatcgtgga gatcatgctg tacattgtga 240

caaagcccac cctancacct gcaagaagaa anaagcanat ccttacagga naggatgcgg 300

agtgctcgaa ggttgccatc gtgaaacang tccaaagccc acctaacagc attannatat 360

acatttggtt gacatgtttc tcattggaag tatttggnta tctgtataca ctcnttacat 420

cctcatnttc atctgttaat nttggctntg taattaat 458

<210> 14859
<211> 286
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-F1

<400> 14859

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acatggtact cttggcgtca ccaggatcga tttcttgtct agccatggtt accacgtggn 120

cgctccanat ctcagaggct acggtgactc cgattctcta cggagccacg agtcttacac 180

tgtgagtcac ctagtcgctg atgtcatcgg tttactcnat cactacggna ctanncatgc 240

ttttgtggcn gggcatgact ggggagcaat catangttgg ngtcta 286

<210> 14860
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-F11

<400> 14860

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ctccttaaca atcaccctca nagtaacttt aaaactctct gtttctaagt aattcacaca 120

caaaatggct attaaactag caattctatt taccacattt gttcttttta gcctcgccga 180

cgctagaatc cccggtattt actccggcgg cgcatggcaa aacgcacacg ccacttttta 240

cggtggcagc gacgcctccg gcacaatggg aggagcttgt ggttacggta acctatacag 300

ccaagggtac gggaccaaca cggctgcttt gagtacggcg ctgtttaaca atggtatgag 360

ttgtggagcc tgctttgagc taaaatgcgc caacgaccct caatggtgtc actcangtag 420

tccttcgat 429

<210> 14861
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-F12

<400> 14861

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ccacgcgncc ggaagctctt tgttcatctc tctatcttct tctccatcct cttcatcant 120

ctcccatctt cttacagctg caccgaaaat gacaagaatg ccctccttca natcaagaaa 180

gcacttggca atcctcccct tctatcctcc tggaaccccc gaaccgactg ttgtaccggc 240

tggaccggcg tcgaatgcac taaccgtcgc gttaccggtc tcagcgttac ctccggcgaa 300

gtctccggtc agatctcgta ccaagatcgg cgacctcgtt gacctccgta cactagattt 360

cagctacctg ccacacctca ccggaaacat cccacgcacc atcancaanc tcaagaanct 420

caacactctc tacttgaagc acactagtct ctccggtccg attcctgatt acatcagcga 480

gctcaagagc ctcacgttct tgggt 505

<210> 14862
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-F2

<400> 14862

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catcggaaat tatgagcaac gttatcggcg atcgcactga agacggcctt tccaccgccg 120

ctgcggcctc tggctctacg gctgtccaga gttctcctcc cactgatcgt cctgtccgcg 180

tctacgccga tgggatctac gatcttttcc actttggtca tgctcgatct ctcgaacaag 240

ccaaattagc gtttccaaac aacacttacc ttcttgttgg atgttgcaat gatgagacta 300

cccataagta caagggaagg actgtaatga ctgcaagaag agcgatatga attacttcga 360

cattgcaagt ggggtggatg aagtcatccc tgatgcaaca agggtggtca ancaagaatt 420

tcctgacaag cancaagatt gactaagttg nc 452

<210> 14863
<211> 71
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-F8

<400> 14863

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aangagacct c 71

<210> 14864
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-G10

<400> 14864

cctcccattt ttcaaaccac tctctctttc tctttctcta agtctttaac aatggcgcgc 60

cttctcttcc gtcttctcca agaagccaat tctacatctc cggctgaagc ttctccgcct 120

ttcaactccg acctcgtcct catccttgcg gttcttcttt gtgcactgac atgtatcatc 180

ggcttaatag ccgtctctcg atgcgcttgg ctccgccgta tcgcctcaag aaacagatcg 240

gatcaaactc atccaccgcc ggtagctgca gccaacaaag gattgaaaaa gaaagtcctc 300

cggtcgttac cgaaactcac ctactcgccg gattctccgc cggcggagaa actcgtggag 360

tgtgctatct gtttaacgga attcgccgcc ggagacgagc ttanggtgtt gccgcagtgt 420

ggacatggt 429

<210> 14865
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-088-Q1-E1-G11

<400> 14865

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ctaggggttg ctaaagggaa aggagagaga tgggtggtga agaggaagtt gtttctgttg 120

agctaccagc accttcttca tggaagaaat tgttttaccc caacaaagtg ggttcagtga 180

agaaaacaga ggttgtgttt gtggctccaa cgggtgagga gattagtaac agaaagcagc 240

tggagcagta tctcaaatcg caccctggaa accccgcgat cgcagagttt gattggacga 300

ctagtgggac acctaggaga tctgcaagaa tcagtgagaa gactaaggct acgccgtcac 360

caagataaag agccacccaa gaagcgaggt agaaccaaat ctccagtgtc aaagaaagat 420

gcagaaggtg aga 433

<210> 14866
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-088-Q1-E1-G12

<400> 14866

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gcccagatgg tcgatcaata gaaatatcaa gagtctccaa ttccaaaggc taaatctttg 120

agatcttttt ttttaaaaat ttccctgaaa ttaataaact ttgaggggaa atgagcgctt 180

cgaggttcgt aaagtgcgtg acggttggtg atggagctgt cggaaaaact tgtttgttga 240

tttcttacac aagcaacact ttccctacgg attatgtgcc taccgttttc gataatttca 300

gtgccaatgt tgtggttaat ggaagcactg tgaatcttgg attgtgggac actgcagggc 360

aagaggatta caatagatta agaccactga gttaccgtgg agcagatgtt ttcattttgg 420

ccttctc 427

<210> 14867
<211> 114
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-G2

<400> 14867

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attgagctcg atgacnacga tttccaggaa acccgttcca aancccaagc gtta 114

<210> 14868
<211> 244
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-G3

<400> 14868

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cngcttacgt tccngccctt gaacccgtta aagcagggga ncaacagnga caggaggaga 120

aaagaccttt aagagaaaaa aactgctgaa ggcaganagg aaactcaaaa gaagaaagaa 180

agaaggctcn gggagaaagc anccgcgtga aagctgaaag aagaagacaa actgctanaa 240

gtgc 244

<210> 14869
<211> 333
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-G4

<400> 14869

gtnnttnngg ncggncggtc cacaataacg ggtccaccac gcgtccggaa gaaaaagctg 60

ttcctgtgct ttagcagacc ttttggtagt tgtcctggtc gctgatcatc cctttccgac 120

aactctgttg ctctttctct cacgtttgag tcttaatctt cgattgtcct tggtcatcct 180

taagttttgt ttttcgcttt cgattcattt tccagatttc nttttaaaga anacccgtcc 240

cttgatttga ttccccccaa gaanggaaag caaaccagag antancagct gaatcaagta 300

accttgntgg gtgttttgaa attanccgga nnc 333

<210> 14870
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-G5

<400> 14870

tgttggaacg gtggatgcgt ctaagtatcc acttcctaag actaagttga ctcttgagac 60

tttgagagat gtgcttcatc ttcgttctag aactaactcg atctcagctg ttgcaagaat 120

tcgtaatgct cttgcttttg cgactcacag tttctttcaa gagcatagtt tcctttacat 180

tcacactcct atcatcacga caagtgattg tgaaggtgct ggtgaaatgt tccaagcaac 240

aactttgatc aattacactg agangttgga gcaggatctc attgataacc ctccgcctac 300

tgaggctgat gttgaaactg cnangntcan tgtcaattga naaangtaaa gttgtaaccg 360

gaactgaaag ctgccaaagc aagcaaagga ancgatnact gctggcgttg cctgaactta 420

aaataacaaa ggng 434

<210> 14871
<211> 106
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-G7

<400> 14871

tnactcgctc aaaaaccann gtctgctcct ggttacatct caagtttcca actaaaaata 60

ctccncaaaa accttgaagt caatggagct gatcaaagtc aangac 106

<210> 14872
<211> 583
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-E4

<400> 14872

ngnnnngnaa tgttactttt gccgcccgng tccgaaataa ccgggtccan ccacgcgtcc 60

gatcggaaaa tcgtcgagaa gagagagaga gagagagaat gtcgnatcct cctncaacaa 120

tcctngcaac tcccgggttg gggctggttt gattcaagtc cgaattcctg ggccgaagga 180

aagaagccgt ctccgtccgt caattccgtt ttccgggcca tgaactgggg gattgaagac 240

ctggttatgc aagatgggat gangtgcttg cgtctgttgc tgaagacgat taagaacttt 300

gcaagtcatt tatctggtgg gacatcactg aggttccaag acttcaacac catggtacga 360

agctgtacga tccttctacg gtcatgttct tcttcaggaa caagcacatc atgatcgatt 420

cttggaactg ggtaacaaca acaagatnaa ctgggctctc aagggacaaa gcanggagtt 480

catttgatat cattgagact gtctaaccgt ggtgcaaagg aaaggtccgt gggttggtga 540

attgctccaa aaaagantac tccaaccaaa attaccgtta cca 583

<210> 14873
<211> 555
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-C4

<400> 14873

nnnnnngaac tgtntcgttt gcccggnccg gtccgaaaat ancggggtcg ncncacgcgt 60

ccgcntaaga gcagatatta ttgaaaccgg aagcaggaat taccctcctg gcggaantnc 120

cccccggnat cctgatgggg cctcaaaaaa acctgtggga ggagcatcct ggtgatggga 180

accgatgaag attgttgaag aaaggngacg attgattttc atgagccctg gattctggat 240

gaaagatctc aagcgataac aatgacgaac gcaancgcga cgaagattgg gttcggtggg 300

atgaggaatc gacaaagtca agatgaagag tacgatgatc tggcaatggn aagacaagag 360

ttactggaca agacaacgaa gaagaaagag tctcgaagac acaatctcca aggtatcgca 420

aaacaaccac aacgaggctt caaaagacca acaaaggatg acaaatactc ccaaaacctc 480

gattcttttc ctcaaagaca acgaancaag ccantggact ggaatccctt gagctcacaa 540

gtgaatacaa gaaac 555

<210> 14874
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-C6

<400> 14874

cctcgagatt gaagaacgct acaccagttt cctacgcaga ggaacctgaa ctgaagtaag 60

ggtaaagtgt ctaangaaga gattgttttg tgggtangat aaggcgtaag gccaganatt 120

tacactgang agcatgagaa actgttaggt aacacanaac gaacttggga gctttttgtt 180

gatggttgtg acaaaaatgg gaaacggatt tatgaccctg ttagaggaaa gtgttgccac 240

cagtgcaggc agaagacnct aggttatcat acccaatgca gccagtgtan ccattctgtt 300

cgaggtcaat tctgtggaga ttgtttatac atgagatatg gagaacatgt tcttgaanct 360

ctggaaaatc cggactggat ttgtccaagt ctgtcgcaat atctgcaact gcaatttccg 420

gtcgtacaaa aaaaagg 437

<210> 14875
<211> 526
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-C7

<400> 14875

gngnnnngna atgttagttg gccggccgta ccgaaccaca attcccgggn ccacccacgc 60

gtccgganaa aactttgctt ctctttctat aaggaaccag acacgaatcc cattcccacc 120

gatttcttag cttcttcctt caatccgctc tttccctctc cattagattc tgtttcctct 180

ttcaatttct tctgcatgct tctcgattct ctctgacgcc tcttttctcc cgacgctgtt 240

tcgtcaaacg cttttcgaaa tggcgatttt ggattctgct ggcgttacta cggtgacgga 300

gaacggtggc ggagagttcg tcgatcttga taggcttcgt cgacggaaat cgagatcgga 360

ttcttctaac ggacttcttc tctctggttc cgataataat tctccttcgg atgatgttgg 420

agctcccgcc gacgttaggg atcgggattg attccgttgt taacgatgac gctcaaggga 480

acaagcaatt tggccggaga taataacngg tggttggcga taataa 526

<210> 14876
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-D10

<400> 14876

gngnngngga agtgtnttgt ttagncggcc ggtaccgaac canaaattcn ngggtcnacc 60

cacgcgtccg cacacgcgtc cgccagagat ctttctctct ctctcatcca aagacttcac 120

gagtccccaa agaaaaaaaa aaacctattc ccaaagatga agaacaataa caacaaatct 180

tcttcttctt ctagctatga ttcttctttg tctccttctt cttcatcctc ctcccaccag 240

aactggctct ctttctctct ctccaacaat aacaacaact tcaattcttc ctcaaaccct 300

aatctcactt cctccacatc agatcatcat catcctcacc cttctcacct ctctctcttt 360

caagctttct ccacttctcc agtcnaacgg caagatgggt caccgggagt ttcacccagc 420

gatgccacgg cggttctttc cgtatacccc ggcggtccta aacttgagaa cttcctcggc 480

ggaggancct caacgacgac aaca 504

<210> 14877
<211> 355
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-D11

<400> 14877

agaggcagag aacaagaaac gtgttgatga agatgaaact atgaaagaag ttccagaacc 60

aagaagatgg caatgaagaa aaagtctctc aggaatcttc aaagcctgga gatgcgagtg 120

aagaaactaa tgaaatggaa gcagagcaga aaacacccaa gttagagacc gccattgaag 180

aaagatgtna agatgaggct gacgaaaaca ttgctctgaa agctcttact gaanctttg 240

aggatnttgg gcattcctcc acacctgaag cctcttttc ccttgcngan ttatgaaacc 300

tgtcatggga cnggnagcct ttctactgan gattggnang atntgatgtt gccac 355

<210> 14878
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-D12

<400> 14878

ccaaaaaaaa aatggactcc aaaacaactt ttctcacatt tctcctctgt attttcattt 60

tctctcattt ttcaccctca acttccaaat ctctgacaga aaagcccttа tctttctcac 120

cgtcggcgag tttgccgact ctcacggcgg agagacttat caaaggattc aatttgatgc 180

ctacacgcga cgtcaatgtc atcgatgaag aaggttctga ggctccgaga ctggtcgaga 240

gagcattcga tttgccggcg gcggttgacc gtcgtggctc cggtggttct ccgtcggttc 300

aagattttgg tcaccatgct ggttactaca aactccctaa ctcaaaagca gcaaggatgt 360

tctacttttt cttcgagtca aggacgaaca aagccgattc aagtggtgat ttggctaanc 420

ggtgga 426

<210> 14879
<211> 62
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-D2

<400> 14879

cncatcaatt gctccgcntc ctccatcaac tgtcgatgta tgctccgtac aggtnaagac 60

ga 62

<210> 14880
<211> 526
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-D3

<400> 14880

gngnnngnan tgttagttng ccggccgggt cgaaataacc gggtcnagcc cgcgtcggca 60

aatntcctnc tnctnctcct nctcctnctn ctncctnaaa cccnanaagc ttcaacccaa 120

ttgaaatttt gattcnaagt tnaaatcgat taatnggcgg gacaanacct ccgattcaac 180

atctcccgtg ggctcctctc tcccgtatct tctcctactg ctactaaaga aagataatac 240

caatcctgtt gattcgaagc tcacggaatt gaatgaatca agggctgagt tactaaacag 300

gatccagaat ctgaaacagg acttgcaaag ttggagaggt aaattggaca ctcaagttaa 360

agtctaccgt gaggagctct ctgggctaaa gaagactctg aatcttgaag ttgagcagct 420

tcgtgaggta tgaattcaaa gatctgaaaa ctaccttgaa tcaacagcaa gatgatgttt 480

ccgctagcct gaaaagctta ngcctacaag attcaaaang agcaaa 526

<210> 14881
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-D5

<400> 14881

tttgagaagg ttatctccga aaaggcgaat caggcggtga acgataaatt gctagtattg 60

aagaaaactc ttgatgaggg agaccaaggt gctctgaagg aaatccggca gacactgttg 120

gggctagttg caccccaga actggttgaa gaactgaaaa gtactatgaa aagttctgac 180

atgccatggc cgggtgatga aggtgaacag agatgggagc aagcttgggc agccattaaa 240

aaggtctggg cttcgaaatg gaacgagaga gcatacttca gcacgaggaa agtaaaactg 300

gatcatgact atctctgcat ggctgttttg gtccaagaag tcatcaatgc ggattacgca 360

ttcgtcattc acacaactaa tccatcttct ggagattcat canaagatta atcccaagtt 420

gtcaaaaggc cttggggaaa cccttgttgg aacatatc 458

<210> 14882
<211> 344
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-D8

<400> 14882

nancatcgan atctcgaata atgcgaatct gaaggatctt tacgaattcc atanncttca 60

gatcgaangg tttcnatcga ttcgttggtc aaagangaga ttgtgcgtgt gattcgtgag 120

catgggctgt tcgttttcag gagtgaacgc actttacgac gccgtcaacg gtggaggtga 180

cgtatggatc aatgagaatc nattcangat cgtgaggcaa ctcggcgaat gaggttccgc 240

atgctccttt tgggccangg gaaatntcgc cgaagccttc tccgccgnat cccggtgggg 300

gccaacctaa aaaattccng ggnccgggtc atctcnccgt tnac 344

<210> 14883
<211> 530
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-E1

<400> 14883

gngntgtgaa gnatcttcna gccgnccgtn ccgaactata cgggtccagg cccgcgtccg 60

cgatcaacat cgagacaaag catcaaagac tgcattgatg caaagaacaa tataactaca 120

tttgacaaca tctcttttaa aacagatagc agtaggcgaa gatacatatc cgaggagata 180

gcaaaactcg gtaaagggaa catcagtgct catattttta cattcagaga gctttgcgtc 240

gctaccaaga acttcaaccc cgataatcag ctcggtgaag gcgggtttgg aagggtttac 300

aaagggcaga tagaaacccc ggaacaagtt gttgcggtta agcagctaga caggaatggt 360

taccanggga acaagagagt ttcttgtgga agtcatgatg ttgagtctct tacatcatca 420

aaaccttgtc aatttggtcg gatattgcgc agaccgtgat caaacggatt cctgtccatg 480

aaatacatgc aaaatggctc ctttaganga tnaatcctcc aanaattggg 530

<210> 14884
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-088-Q1-E1-E10

<400> 14884

tttttgggta atagggtttc taatctctgg gacaaactcc aatcgtttcg aatccgcaat 60

gcccagatgg tcgatcaata gaaatatcaa gagtctccaa ttccaaaggc taaatctttg 120

agatcttttt ttttataaat ttccctgaaa ttaataaact ttgaggggaa atgagcgctt 180

cgaggttcgt aaagtgcgtg acggttggtg atggagctgt cggaaaaact tgtttgttga 240

tttcttacac aagcaacact ttccctacgg attatgtgcc taccgttttc gataatttca 300

gtgccaatgt tgtggttaat ggaagcactg tgaatcttgg attgtgggac actgcagggc 360

aagaggatta caatagatta agaccactga gttaccgtgg agcagatgtt ttcattttgg 420

ccttctct 428

<210> 14885
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-088-Q1-E1-E11

<400> 14885

cattgtttgt gtgtgattac agcgaagaag agagaatcct tggagcattc catggattcg 60

cttcgatttc tccggattct tcttctatca tcttcgattt tactcttatc tctccgttct 120

acagtcaccg ccggtgatat tgttcatcaa gacaatttag ctccgaagaa accaggttgc 180

gagaatgact tcgttttggt gaaagttcaa acgtggattg atggtgttga gaatgaggag 240

tttgtggggg ttggcgctag atttgggaag cggatagttt ccaaggagaa gaatgcaaac 300

caagactcac cttgtttttg caaatcctcg tgattcttgt acaccgctca agaacaagct 360

ttctggagat gttgttattg tggaacgggg caactgtcgg ttcacaacaa aggcgaataa 420

tgcagaacc 429

<210> 14886
<211> 307
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-E12

<400> 14886

acacttcctg attgcctatt gcttgtcttt ccttacaaag ctttaaatac tatcatcttg 60

aaaagaattt gtgttacaaa gttccctgga tgatcaattt tataactttg gtgtattctt 120

aatgatatat tattgaaact gaatcaaaat ttacttttaa ataaaaaaaa aaaaaaaaaa 180

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggggggccn cccaaangnn tcaaanntna 300

nttacnc 307

<210> 14887
<211> 468

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-E2

<400> 14887

actctcttgt ttatctctcc gacgtaacca tggatagcga tactctctca ggattattgg 60

aaaacgtcgc caaaaaattc cccgatcgcc gagctctctc cgtttctgga aaattcaatc 120

tcactcacgc gcgtcttcac gatctaatcg aacgcgccgc ttcacgcctt gtctccgacg 180

ctggaatcaa acccggcgat gtcgttgctc tcaccttccc taacaccgtc gagtttgtta 240

taatgttttt agcggtgata agagctagag ccacggcggc gccgttgaac gcagcgtaca 300

cggcggagga atttgagttt tacctctccg attcagattc aaagctattg ttaacctcta 360

aagaaggaaa cgcaccggct caaagaagca agcttcaaag ctgaaaaatc tctcaagtna 420

acggtaagcc tgcttgacnc tggntccgga ccnttgaana aaccgttg 468

<210> 14888
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-A10

<400> 14888

tcaggtgggc agtgattata acttcgtctc cgtgtctgtt caagctccca ttcttgtggc 60

cttcacgctt caggaacaaa gaccagtatc tctctgaaag actacttctc ggaaattttc 120

gtctccatgg cacccgtgag ggggattctt ggcttgcaaa gggcagtgtc catttggaag 180

gaaagtaaca gactgactcc agctttgaga tcattcagca ctcaagctgc atccacttcc 240

accactccac aagcctcctc canctcctcc gcctccggaa aagactcatt tcggtggtct 300

caaggatgaa gatnggattt ttactaatct ctatggtctg catgacccat ttctcaaagg 360

cgcgaatgaa gagaagtgat tggcatanga ccaaagattt ggtgctcaaa ggtactgatt 420

ggattgt 427

<210> 14889
<211> 432

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-A12

<400> 14889

ctatggtccc tggctcgaga aatccaatgt ggggtgaaga gttcaatttt cccacagatg 60

aacttcctgc taagattaat gtaacaattc atgattggga tatcatttgg aaaagtactg 120

ttcttggctc agtaactatt aatgttgaac gtgaaggcca aacgggtcca gtgtggcact 180

cattagacag cccgtctggg caggtttgcc ttaacattaa tgcaatcaaa ctacccgtga 240

atgctcctag ggctgtaact ggatatgctg gagccggtag aagaagggtc acattggatc 300

agcaaggccc aacaattgta catcaaaagc cagggcctct gcagacgata tttgatctcc 360

tcccggatga ngttgtcnag cacaagttat tcatgtgccc tggagaagtc attcctgtat 420

caatggccga aa 432

<210> 14890
<211> 92
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-A2

<400> 14890

ccaantagcc ctaaatttat taccnacatc atggattcca nggagctgaa ccgtgtgttc 60

caggtgttcg acaaggaccg agacgggaan at 92

<210> 14891
<211> 543
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-A3

<400> 14891

cgttagctgg ccggccgtnc cgaacnaaan annctcgggt caagccacgc gtcaggngtc 60

cngtggagtg gacctttgaa ttggatgatn attatccatg tcgattctac ttaggccgtc 120

gtcctcctcc ttcactcctg ttcttctctc aaagcttttc cgattaatcc tctccgggat 180

tctttaatcg acgcaagctg tcctcaagga acaaggacaa agccgtcgca agtcgtttcg 240

aatggagggt cgtttcgaag taattccacg tgtctttcta agtattagcg tcggtgaaga 300

ttttccatca agaatatgag caagtggcta ccggttccgg atncaagaga agcangaaga 360

agaagctggg cgttttgcta cacccgacgt cgtttcgtgg tcctcatggc attggtgatc 420

tcggagaaag aaaccttccg ggtcaaccga ttggcttcaa tccnactggg gttgctcccg 480

tttggcaagg ttctcccccc tggttcctcc aaaacgaaag gaaggtttcc cttaagcang 540

gaa 543

<210> 14892
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-088-Q1-E1-A5

<400> 14892

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gttgctataa agaaagttct acaagatcgg aggtacaaga atcgtgagct tcaaacaatg 120

aggctacttg accatccaaa tgttgtgtct ttgaaacatt gtttcttctc tacaaccgaa 180

aaagatgagc tttatctcaa cttggttctg gaatacgttc cggaaactgt gcaccgcgtc 240

atcaaacact acaacaaact taaccaacga atgcctctcg tttacgtcaa actttacact 300

tatcaagatt tttaggtcct tatcctacat tcaccgatgt atcggcgtat gtcatcgaga 360

catcaaacct caaaacttgt tggtaaatcc acacactcat caagtgaaac tatgcgattt 420

tggaagtgcg aaaagtattg ggtaaaggag aaccaa 456

<210> 14893
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-A6

<400> 14893

gactttcttc tctcttctca aaaacccttc cctcttcgtc tccaaacaac aacaaacaca 60

acaacaacaa aaatcttaca agaagatcan ttttagaaac cctattagga taaaatggat 120

tacgaggcat caagaatcgt cgaaatggta gaagatgaag aacatataga tctaccacca 180

ggattcagat ttcaccctac tgatgaagaa ctcataactc actacctcaa accaaaggtt 240

ttcaacactt tcttctctgc tactgccatt ggtgaagttg atctcaacaa gattgagcct 300

tgggacttac caaggaaggc taagatggga gaaaaagaat ggtatttctt ctgtgtgaga 360

gaacgggaaa tacccgancg gtttaaggnc aaaacggggc gaaagaancc cggttattgg 420

gaagccacan ggaaaagaca aagagatatt cag 453

<210> 14894
<211> 353
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-A8

<400> 14894

ctanaaggcg ctgagctaga agagcaactt cttcagcctg ttccaatcca tgtgcctcaa 60

ggaaacaagc ctgctcgtgc tccagctcag aagcaaccta ctgctgagga agatgaactc 120

gctgccttac aagctgagat ggctctctaa gctgaagcta gccttggaag atttcgatta 180

agtggggaga tttgtgtgtg cattatctaa aaacagaaag aaaagatttt atgtatataa 240

ggatccgagt ctaattgatc ggaagatttt ttttttcttt ttcaatataa ttaacttatt 300

aaactgcaaa aaaaaacann naanaaatcn anggnnaaaa aaaaaaaggg cgg 353

<210> 14895
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-A9

<400> 14895

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ccacccacgc gtccgcncac gcgtccgtag acccagagag agagagagag agagagagag 120

agatcagtaa cgagagagtc aaagagagga gatttcagtg aagatgaagg agatgcaggc 180

aatagagacg tcgcagccga cgacggtggc tccggcggtg catagccgac aattgggagc 240

tcagttgtcg ggaagtatga gtttcagcag ccaaatgtcg aaggaagatg aggagatgtc 300

tagaactgcg ttatctgcgt ttagagcgaa agaagaagag atcgagaaga agaagatgga 360

gattagggaa agggttcaag ctcagcttgg tcgtgtcgaa gaagagacta agcgtcttgc 420

tttgatccgt gaggaacttg aaggattagc tgatcccatg aggaaagaag ttgctatggt 480

tangaaagaa gattgattcc gtcaacaaag aatt 514

<210> 14896
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-B11

<400> 14896

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cgtccganta tgtggtgacg tagctgcgtt gggatggtgg gacttattta taaacttcgg 120

aatagcagag tgctttgcgt ttcttgtctg tacaaagtgg agcaatcagt caattcatag 180

gtattcacat ataccggaac ctagctcatc ttcaatggta gtaagatatc tggattggaa 240

cagaggtcta gtagtaaccg ctgacgacga gcatcagcaa agcaacagaa tatgtggtct 300

ccaagatatt ggtggacatg ttatgaaaat tccatttgtg acctttcaaa tcatcctttt 360

catgcgctta gagggaacgc cagcttctgc caaaaacatt ccgattttag ttctgtttgt 420

acctcttttt ctgttacaag gagctggggt acttttgct atgtatagat tggttgagaa 480

atcagtctta ttaataaat 499

<210> 14897
<211> 525
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-B3

<400> 14897

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cccnacaatt nctcctcctc ctnccccna aaggaaagng anctnaacgg ntccttttta 120

ataatccctn ccaaattttc ccggggaaat naatcctttc ccccctcctt cctcctcact 180

tgttgttgtt ccttaaacac tctcttccta agatctacta ttaactggat ttcatttcac 240

gactaaacca tcgaagtctt cggcaagata tgggatttgt ttctgttcta ttaaacttgt 300

ttcaatcgag aagtaaaaaa gaatccgatt ccacagatgg aactatgtgc tgtggatcag 360

accgattaaa ccaagatcgt gtcatcaaga tcttcgttgc caatttcttt cgaggaagat 420

aacaatcttg ttaccaacac agacatgaat cacttaacag tcgaaacaag angatacgtt 480

tgcgagcttg cttgagcttg cagctaacaa cgaatgttga aaggg 525

<210> 14898
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-B4

<400> 14898

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ggaaacgggg aaatttccgg gaaagaagaa agaaaacaaa gagtcaacaa caactcctgg 120

tggtcaagaa tgtnggcccg tcgcaatttc cacatccaag aaagagtcgt ttgctcctgc 180

ttgtgcttat cccgccgctc gcaagaggac ttacaactgg gagtgtgaaa gcaatccgta 240

naaagactac tgggaactgg aangatgang tatcctcgca atgtgcctcg caagttcaag 300

aacggtttca agagaaggta nccaaagcca anccaaagga acaaagggaa ttgcctcaac 360

aacntaaaac ttgtttttnn gcatcaaagg ggagaaaaaa atctgagttt gttgttcaca 420

aanattacta ctcctaantt gtctggacta tnactaaccc ttttgtgtgg gcccttgcgt 480

ttttaaaaat ttgggg 496

<210> 14899
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-B5

<400> 14899

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gagaaagttt ctggaacgac aaagacacct gcagatttcc tcaaatccat ccgtgggaga 120

cccgttgttg tcaagctcaa ttctggtgtt gattatcgag gcactcttac ttgtcttgat 180

ggatatatga acatagcaat ggagcagacg gaggagtatg taaacgggca gctcaagaac 240

aaatatggtg acgcctttat ccgtggaaac aacgttcttt acatcagtac agtaaacatg 300

actgtagcag acggagccta ggcccatcat gatcatcaac aacaacaaca gtggtcatgt 360

tatggctgcc atttttgttg tcctcttcna ctcatattaa aagagtatag acatgtncca 420

aagaatggca tcctangtcc tcagt 445

<210> 14900
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-B7

<400> 14900

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gtcaactttc actgccacat cttctattgg ttcaatggtt gctccgaatg gtcacaaatc 120

tgataagaaa cttatcagca agttgtcttc aagctcattt ggaaggagac aaagtgtgtg 180

tcctagaccc agaagatcca gttctgcaat tgtgtgcgca gcaaaggaat tacatttcaa 240

caaagatggg actaccatta ggagacttca agctggtgtc aacaagctcg cagatcttgt 300

tggtgttaca cttggaccca aaggacgaaa tgttgttctt gagagcaagt atgggatcac 360

cacgaattgt taatgatggt gtgactgttg caagaaaagt tgagttggaa ganccggttg 420

agaacattgg cgccaagcnt gtgaaggaag g 451

<210> 14901
<211> 60
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-B8

<400> 14901

tnagccttag ggaattcagg aggaggagga gttncaaaag ttcactaggt aacttaanga 60

<210> 14902
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-C1

<400> 14902

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accccaatgc accacagtct gatgcatccc tcttatggag accctcatag gttcccgata 120

cacggaagag gtcctcatcc ctacttctcg ggacaatatg ttggtaataa taacaacggt 180

catgatctct ttgacgcata cccgcagcaa aacgggcatt ttcatcactc atcttgctct 240

tgttaccact gttatgataa taaatactgg cgaggttcag caccggtggt ccctgatgca 300

ccctataatg ctggttttta tcctcatgag agcgttatgg gttttgctcc accgcataat 360

cctagaactt atggttctcg tggtctacag cctcatggaa gatggcctag taacttcagt 420

gatgctcaaa tggatgctct ttctcggatt cgtcctccta aagttgtatt atcaggcgga 480

tntcgtcata tccgcccttt ggcaagtggt gcaacgttta 520

<210> 14903
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-A1

<400> 14903

tcagatccaa aattttgcaa aatcccaaga tcgtccttac cttctcccga aatcgattga 60

tttttcatgg nngggacgac gaacaagatt cagtcaattc catctccggg agattcttcc 120

ctttcaacac aaagctcctc cttctccgcc gattttgcca acaaaacgac gtgacggtgg 180

ccgtcgtgaa gaaaccacaa ccggggcttt cttctcaatc tccgtccatg aacgctttag 240

cgttagtggt tcatactcct tctgtaaccg gtggtggtgg taacggaaac agaaacggac 300

gaagangaag aagaagaagc ggtggtggtg gangaagaag agatgattgt tggagcgaag 360

aagctacaaa nggtctaatc gaagcttggg gagatcgatc nccgaaccaa gttaaaggaa 420

ctttgaagca acaacattgg gaagaaatan ctganantgt gaacaag 467

<210> 14904
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-D7

<400> 14904

ctactcgata ttcctaaatc tcgagtaata tgtgccgtgc tgcagctgat aaatgaaatt 60

gtaaaagata ataccgactt cctggaaaat gcttgtcttg ttggtcttat tcctttggta 120

atgagttttg ctggttttga gagggatcga tcacgagaaa ttcgtaagga agcagcctac 180

ttcttgcagc agctttgtca gtcaagcccc ttgacgttgc aaatgttcat atcttgccgt 240

ggaatacccg ttttggtggg atttcttgaa gcagactatg ccaaacacag ggagatggtt 300

cacttggcta ttgatgggat gtggcaggta tttaaanctc aaaaaatcca nctccgaaga 360

aaatgatttt ttgccgtatg 380

<210> 14905
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-D8

<400> 14905

aaattaaaaa gcatgtggca tacgaatacg caaagaaagg agcatatttg gctcttgttg 60

ctcgaagaag ggatcgtcta gagattgtac cagaaacatc acgtcaatta ggatctggta 120

atgtcatcat catacctggt gatgtttcta atgttgagga ctgcaagaag ttcatcnatg 180

agacgattcg tcatttcgga aaactagacc acctgatcaa taatgctggt gtatttcaaa 240

ctgttctttt cgaagatttc acacaaattc aagacgcaaa tcctataatg gacatcaact 300

tttggggtac aacatacatc acctattttg caantcctca tcttcnaaca gagtaaagga 360

anaaatcgtc gccgattaca tcggggttca gcacnatnta ccttt 405

<210> 14906
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-E12

<400> 14906

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gagtacatag tgggcgcaag ccctgaagca cttcatggtg gactgttcat ggaattcaag 120

aatgaggaag ctacaggtcc tggtgttcta cgagaatggt tctatctggt atgtcaggag 180

atattcaatc caaanaatac cctcttcctt cgatctgctg atgattttag aagattctct 240

ccaaacccan catccaaggt ggatccattg catcctgact tcttcgagtt cacgggtcgt 300

gtgattgcct tacctttgat gcacaaaagt tcaagtgggt gtgctgttcg atcgtgtttt 360

tcttcttaca attggcnggg actngaaaat atct 394

<210> 14907
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-E2

<400> 14907

gcagctgatg ccatattaaa aaagtttcct gatcatggag agactttatc gatgaaagga 60

ctgactctaa actgtatgga ccgcaaaact gaagcatatg agcttgttcg acttggagtg 120

aagaatgata tcaaaagcca tgtttgctgg catgtgcttg gtcttttgta ccggtcagac 180

agagagtata gagaagcaat caaatgctac cgaaatgctc ttagaataga tcctgataac 240

cttgaaatac tcagagacct ctcacttctg caggcacaaa tgcgggactt atccggtttt 300

gtggagacca ngcagcaagc ttttgacatt gaagcctaat caccgaatga actgggattg 360

gctttgcagt ctctcagcat ttaaacgcaa a 391

<210> 14908
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-E4

<400> 14908

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gaaaccaagg aacagtagaa aggcgttgaa gcagaagaat gagctcgtgg agacgccacc 120

atcgcctgtc tccgtcaagg ggaagtcagc gaagtctttc gagcaagatc tgatggagat 180

gcagacaatg ttggagaaga tgaagatcga gaaggataag acggaggagt tacttaagga 240

gaaggatgag attctgagaa agaaggagga ggagctagag accagagacg ctgagcagga 300

gaagctcaag ggtggagctg aagaagcttc agaagatgaa nggaattcan acctaacatg 360

acttttgctt gccgggcagt catcctctca cacaggctga acaaanaag 409

<210> 14909
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-085-Q1-E1-E7

<400> 14909

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gcttcacgcg ccgccacttc cacgacgcgc ctccactctt tgtcctccct cagaaacttt 120

ccctcttcct ctctcaggat tcgtcactgt ccttctccca tctcttccaa tttcatcgtt 180

agtgaagttt cccgaaaccg acgatgcgac gccgtttctt ccagcaccac cgatgtgact 240

gaattagccg aaattgattg ggacaagatt gattttgggc ttaaaccaac ggattacatg 300

tacgccatga aatgtagccg tgatggtgaa ttctctcaag gtcaattgca acctttttggt 360

aacattgaca ttaacccagc aagctgggtg ttctca 396

<210> 14910
<211> 309
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-F10

<400> 14910

ggaaagagag ctatggaaaa cagttattgc attctgttca ggacagtcaa tttgttcatt 60

cgattaaaga cagtggtgcg ttacctgcgg ttttggggag cttgttcgtt gtgtctgcaa 120

ctgttggtac ttctctgttc ttcaaaggag ctaataattg aaacagaaga aacaaaattt 180

taaaaaattg ttgggatttg ttgttgttct tgaaagattg aaaangaact atgtgatact 240

ttgtactatt cttttctaaa atttantgtg tgttttgttn ttgaaaaaaa naaaaaaaaa 300

aaagggcgg 309

<210> 14911
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-085-Q1-E1-F11

<400> 14911

gcagagacac tgtgccgtcg cccgtcgccg ccgccgccac actatcatct ctctcaggtt 60

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cgttcggtgt accttcaatt cccgccttat cctcctcctc cacctcacca ttttcatctc 180

ttcatctccg atcacagaac caccgtacca tctctcttac caccgccgga aaattccgtg 240

tctcgtattc tctctccgct tcttcacctc taccacctca tgctcctcgc cgtcgtccca 300

attacatccc taaccgtata tccgatccca attacgtcag aatcttcgat acaactctcc 360

gagacggtga acagtctccc ggagctacac taa 393

<210> 14912
<211> 240
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-F2

<400> 14912

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gcagttggag aagtaaatct ttgacacaaa atgtttcttg aatgttaaaa tttttctgat 120

cttctctatg taattttgta aggaccctgg tcatttcatt tctgctgaga ttccttttat 180

taataaaaaa aaaanaanna gaatanaaan naanaaanan gaaaaaaaaa aaaagggcgg 240

<210> 14913
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-085-Q1-E1-F6

<400> 14913

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ctcatggctc caaccatgaa gactttctta agtgtctttc ttaccgaatg aacgacaaca 120

ccgtcgaacc caaagtcata cacacttcca aagactcttc ctttttttcc atattggatt 180

cttcgataca aaatccaaga ttctcggttt ccgaaacacc taaaccggtc tcaatcatca 240

ctcccgttaa agccagtgac gttcaaactg tgatcagatg cgcacagctg catggaattc 300

atgtaaggac tcggagcgcc ggtcactgct acgaaggtct ctcttacatt gcgtacaaca 360

aaccattcgc tgtcatcgat ttaaggaatc ttcggtca 398

<210> 14914
<211> 376
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-F7

<400> 14914

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gcaagaagta tataaggctt tacccatcct tcctgcaaga cgaactttac ccttactctg 120

agacaatgct ctgcaactct agtcaggttg atctagacaa tatcgacgaa accgagttcc 180

caaaggccat ggagttggag tttatggatt gtattctana agaaggtgaa atgttgtaca 240

tccctcccaa atggtggcac tatgtcaggt ccttaacaat gagtctctcg gttagcttct 300

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tgtttcaagg ttctag 376

<210> 14915
<211> 369
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-F9

<400> 14915

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gtttccgcca tggaagcctt tgaaaagctt gagaaagtag gtgaagggac ttatgggaaa 120

gtttacagag caagagagaa agctactggg atgatcgttg ctttgaagaa gacgcgtctc 180

catgaggatg aagaangtgt tcctcccact actcttcgcg agatctctat cttgcgtatg 240

ctcgctcgtg atcctcacat cgttaggttg atggatgtta agcaangaat aaacacagaa 300

ggaaaaactg tactttacct tgttttcgaa gtatgttgat actgatctca ngaaattcat 360

cagaagctt 369

<210> 14916
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-G1

<400> 14916

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ctctacttct tggataaaat ggcgtcaact ttcactgcca catcttctat tggttcaatg 120

gttgctccga atggtcacaa atctgataag aaacttatca gcaagttgtc ttcaagctca 180

tttggaagga gacaaagtgt gtgtcctaga cccagaagat ccagttctgc aattgtgtgc 240

gcagcaaagg aattacattt caacaaagat gggactacca ttaggagact tcaagctggt 300

gtcaacaagc tcgcagatct tgttggtgtt acacttggac ccaanaggac gaaatgttgt 360

tctgagagcn agtatggatn accacgaatt gttaatgaat gggggtgag 409

<210> 14917
<211> 96

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-G10

<400> 14917

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ttctctttct gaggttactg tcattantag gaacaa 96

<210> 14918
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-G12

<400> 14918

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acccaaatgt ggactctttg agccgttatt agatctctgc cgcttcaata atggggagct 120

tatcttctga ggaagacgac gaagtctctt ccgagagatg cggnagttac agtcccagcg 180

ccgacattag cgagtccgag agttccagca acttctcctg ccaccgcttc gacggcgagg 240

gtgcctctag ctccatccct tcttcccctc gagttgtcgc tggtagagga ttttacttcc 300

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ccaagacaaa cgattttatc ngaaaatttg gg 392

<210> 14919
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-D5

<400> 14919

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cctctcngtc ngcagaaaaa aacaaattgc acaccggtgg tctcagtaga cagagtttc 120

ctaaaggatt cgtgtttgga accgccacgt cagcttatca agtcgaaggc gagactcatc 180

aagacggtcg tggcccaagc atttgggatg ccttcgtcaa gattcctggg aagatcgcca 240

agaatgccac ggctgagata acagtggacc agtatcaccg ttacaaggaa gatgtggatt 300

tgatgaagaa actgaacttc gatgcttaca agattttcca tttcatggtc caaggatatt 360

ccctgaaggg aaagtgggta aagtcaactg ggaaaggagt tgctt 405

<210> 14920
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-G3

<400> 14920

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gatgaaccct gatgcaagcc gttctatggt gtggcacaag attgatggtg gctccttcaa 120

ctttgatggt gatctcatgg aggctttgtt tggatacgtt gctcgaaaac caagtgaatc 180

aaacagtgta ccgcagaatc agacagtctc aaacagtgta ccgcataatc agacttatat 240

cc[illegible]atcct cggaaatctc aagaacanag canttgtgct taaatctttg gggatgacta 300

aagaggagac cattgacttg ttaacagaag gccatgatgc tgaagtctga tacccttgag 360

aagcttgcag ggaatagctc caacgcccag g 391

<21[illegible] 14921
<211> [illegible]
<212> [illegible]
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-085-Q1-E1-G5

<400> 14921

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gagaatgtgg aggttgctaa gaagaaaaag aa[illegible]aatgt ttatgggaga tggtcggacg 120

agaactatta tcaccggaag tcgaaacgtt gtagacggta gcaccacttt ccactccgcc 180

accgttgctg ctgtcggcga gagattctta gctcgtgaca tcactttcca aaacacggcg 240

ggtccgtcga agcaccaagc ggtggctctc cgtgtgggtt ctgatttctc cgccttctac 300

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gtcaaatgtc tcatcgccgg gaaccgttga cttca 395

<210> 14922
<211> 124
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-B11

<400> 14922

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atgctcangt ttctttatcc aattttatgt tancggacga aggtcctgtt ganaaacttn 120

catg 124

<210> 14923
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-B2

<400> 14923

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gttttgggga agatcttttt ctctgatttt ttcccatatt gtggctttct tgatgattta 120

tcaggcctca cagcttanat gaaagagtgt ttcgaaagac aagacactta tattcaagag 180

gttgtcaatg agacgcttga tcctaagaga gtcaagcccg aaaccgagag catgattgat 240

ctcttgatgg ggatctacaa agaacaanct ttcgcttctg agtttactgt aagataatgt 300

caaagccgtc atcttggata ttgtagtggc gggaaacaga tactgcagct gccggcngtt 360

gtnttggggg atgacgttnc cnaatgaaag tacc 394

<210> 14924
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-B3

<400> 14924

ctcaatctat ctgttcgtcg tcacaagatc aatcttcttc tcctcgctct ttgatcacac 60

cangcanatc ggcgacgaan tttcaccgcc gcaggggggag gagtgtattt aacatgctgg 120

ttcagaggga aatgtcacca aaggctaagt ttgtgccaag gaaacgatgg ggtaagagta 180

gatggtatac tgattcttca tgcggnacca acaacgagtc tatgananag acgggacaaa 240

gtcttacctc atgggttgag gcagagtcat tgcagcattt atctgcaaaa tattgtcctc 300

ttgggagctc ctcnanggtc anctattgct gcggctttta agtactgatg ggaanaactc 360

cttgcntcta cacatgggtg attatactgt gag 393

<210> 14925
<211> 385
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-B5

<400> 14925

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ctttgagatt gtctcgggga tctgaaaaat gtaatccttn aagtccctac ttcnncncct 120

tcctcctcca ntcctccctc caatanctcc caagaaaatc ccgtctcatc taccaaggtc 180

atgccgggat agttcgatgt tccgtcnagg gaactactgt aaccgagaaa aaantctcgg 240

naaccaagcg aagccacttc ttctgacagc tgttaaaggt gaagttgttg atagacctcc 300

ggtttggctt angaggcaag ctggggangt acntgaagag ttatcaaact ctctggtgag 360

aaagtanccn ttctttcaga gaaag 385

<210> 14926
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-B6

<400> 14926

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agttggtgat atcgttgttg gtaccgtgat agcgcctggt tctcagagag caatggagtg 120

tagagttgca gcttattttg ctggttttcc tgactccgtg ccagttagaa ctgtcaatag 180

acaatgctca tcaggactac aagcagttgc tgatgttgct gcntccatta gagctggtta 240

ttacgacatt ggtattggtg ctggagtgga atcaatgtca actgatcata ttcctggagg 300

cnggctttca tggggtctaa tccaagagca ncaggatttc ncaaaagccc cgtgattgnt 360

tgcttccaat gggaattacn tctgnaaaac gttgcaggaa ang 403

<210> 14927
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-B8

<400> 14927

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cgatcgatct cccaaatctc aaattctgaa ttgatttttt ttgtttataa acaaagcaaa 120

caaaacacat aattttggtt cggtcttctt caattttcac cgacacaaac ccgtcttttc 180

ctcttctctc tcatttctat caatttttct ctacaattcc ccagtcgtcg aagaagctac 240

agcttgcaat ttgctcgtgt tctcttccat cattcctttg ttaagagcct cttcatggcg 300

ttctacggtt gattccaatt tcttctcatc cgtcccagct cttcacangt aanctcggga 360

cttttgtcgc ctgatcagat nggaactggn cgaangatct ta 402

<210> 14928
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-C1

<400> 14928

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cgtcgtgtac attaccgata ggttatgttc gttgcagagc tatggagaag gttatagaag 120

catctagagt ctcgtgtcta aatgccaaat acgggtgcaa ggagagtacc tcctatggaa 180

accgttttag tcatgancag gtatgtgttt tcacccctg ttcttgcccc atacttgact 240

gccactacac tgggtattac aaggatctca acaatcacgt ccgttgctga acacaaagat 300

gatctgatct ccgttcgtgt ggaatactcg tttaaccatt agcttggacc tcaataanna 360

angaccacaa ntcttcaagg aagaaaaacc atgggcaatg ttgattgtta gtc 413

<210> 14929
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-C11

<400> 14929

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ctgatacgct cgagctcgac tgacganttc ggcgtagtgt tcacttttct tcttctttct 120

tggaaancca cactcgtctg agtcgtctct gttactgaca cccattaaag ccctagcctt 180

tggtttcttt tctccaaatc ttgcaagatc tcttgagata attcacatgg aggaaccgag 240

agaggaaagt gaggctgttc gtgattgcag tgagcccatg gaggaagctg gtaagggatc 300

aggtttatct tctaaaactg aaaccctagt tgatgaggat gccaatacng acttaagcgt 360

ttctgataag aacccgaatg atggangttt a 391

<210> 14930
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-C2

<400> 14930

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ttatcttgaa gattactctg gttggttgaa agatcgagtt tctgatgata gctattgggg 120

taaaattagt tcttgtctta gagattctgg tgcttgtaga aagattggaa gaaattttaa 180

tggtgtacct gaaactgctg atatgttctt ccttagaaga cttagccctg ttgagtccgg 240

ttgttgcaag ccaccaacag attgcggttt ttcatatgtg aatgagaccg gatgggacac 300

gaagaggang gatgatagga ccgaaccaag gactgtatgg tgtggagcaa cgaccagagc 360

atgctcctgt tatcagtgta gntcttgtta aagcctggtg ttct 404

<210> 14931
<211> 339
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-C6

<400> 14931

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cgccgttaaa gcgactccgg tcaccggacc tctgattccc cgtcgcgatc ttctttctat 120

tcgtatcaga gctagctcga atcagaatag ttctggttat tgttttccag aaaagtttaa 180

atcttttgcc aaatcagcga ttctcatcgg tgctgctgtt tcaatgaccg gaaagttttc 240

aactttaccg gttaaaagcc gagtctcccg ggttacgact atcgaaaaan acctacgaag 300

gaagtgaaag aagagaaact gtctgangat nacgccatt 339

<210> 14932
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-C8

<400> 14932

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aacttttttc cttgccccgc anganaaggg tttctttgtt ctgaatgaca tcctcanatt 120

tgttaatgat gatgctaagg ataatgttcc agagaccata gatggggaag ttgtttctgg 180

gataaactct acaacaccca ctattatcaa tggcatgaag ggttcggagc aagctgcatg 240

tgtttcagtg aatcctgttt gtaaggaaag tgtccaaacc cttggataat gagaatgcta 300

aggataatgt tctggtacct gagattgcta atgaagttnc aangactgaa gataacttgc 360

aaaanaagtt gcagatgatt cacagaaaaa ntatgaccct g 401

<210> 14933

<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-C9

<400> 14933

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ctcccaaaca atcgaaattg gacttcacgg attccatcga tgaaaatggg aacaatgatc 120

atgtagatat tgtggctgct gaccaaggag aaagtatgat ggacaaggaa gaggttttca 180

gcagtgatag tgaaagtgaa gatgatgacg aaccaggaag tgatgagaag cctgctcagg 240

ctaagaaaaa gggatggttt tcttctgttt tccaagagta ttactgggaa agcgaatctt 300

gaaaggacag accttggacc ggcgttgaaa gctctgaagg aacggctcat gaccaagaat 360

gtggcagaan agattgctga naagcttt 388

<210> 14934
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-D1

<400> 14934

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gcaagggaga cggtggagga ggaaccactt agcccatgtt cacggctgtt caattcgccg 120

gattttaact gtgcaataat ccgttacaat gggatctaaa agtttaaggn ngacacacca 180

agccatcaac caacgggcct tggaacacac cctcgtaaac caaccctccg cttctcctaa 240

gcattttaag anaanaacaa tnggaaaaan ccncnttggg ttccgncaaa agttnaagtt 300

anannncaat gtgnaatgtt ccctgaatgn tggttcccga cattgnaaat ccggnattag 360

tatccttgaa gactatatcc cccaagntta acgaccaant ccctaatggg ttttgtccta 420

aaccaattat g 431

<210> 14935
<211> 390
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-085-Q1-E1-D11

<400> 14935

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ataaaccttg gtcgacaatc tcgccctttc catgtgattt ctccacttcc tctctctctc 120

tactgcaact tcctcctcct gcttcaactt cattcgggta atgatgaact agcgtagaga 180

tttggatctt cttcttcgtc ctctcaccaa ctcttcaccg gttagatctc tttttcacgc 240

taacgaatga ggagcgttgc cgccgccgcc gctgctgctg ctgctgcttc taagccttct 300

aatcctctcg tcgcctttga gcacaagagg gatgcatacg gatttcctgt cagacctcaa 360

catgtgcaga gatacaagag aatatgctgg 390

<210> 14936
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-D12

<400> 14936

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tcgcagagtt cacgagcttc cgagtcaaaa acactctana acaaaaccat gactttgttc 120

catagactcg atctcatcga tccgtacacg tgtacaccac tcatcgtccg tgaaacctcc 180

attgttgaac cttcatcant gttcctaggg tttccttcct tcatcgacga agacattgaa 240

gatctcttcg agttttcatc ancnaatcct ctcgatctat tcgaaaccgt gacgnggtct 300

gggttaagat tnaggagatc tcccgttcnt cctggcaagt acaangtgat ttcgtncggn 360

naattaggnn cggggntagc naagttgaac ggtgatcg 398

<210> 14937
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-D3

<400> 14937

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cgagaacgct cacgaagatt ccgtttgggc agcgacgtgg gttccggcga cggaagatcg 120

accggcgttg cttctgactg gatctcttga cgagacggtg aagttatggc gaccggacga 180

gctggatctt gtgcggacta atactggaca ctctttggga gtancagctt tggctgcgca 240

tccttctggg attattgcag catcttcttc gattgataac tttgtccgtg tgtntgatgt 300

tgatactaat gctacgattg ctgttttgga agctcctcct tctgaagntt ggggaatgca 360

attttgaacc taagggtaac nttcnttgct gttgcaggtg gaannaatt 409

<210> 14938
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-A9

<400> 14938

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acgaggacaa gaccattgtt gtcacggtga acggagagat ttataaccat gaggagctga 120

gaaaacgtct gaagaatcac aagttccgta ctggtagtga ttgtgaantc attgctcact 180

tgtacgagga gtatggtgtg gattttgttg atatgttgga tggaatattc tcctttgtgt 240

tgctcgacac acganataac tctttcatgg tggctcgtga tgcgattggt gtcacttcgc 300

tctacattgg atggggacta gacggctctg tgtggntatc ttcaggagat gaaaggccta 360

anacnatnac tgtgntgcat t 381

<210> 14939
<211> 94
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-084-Q1-E1-F2

<400> 14939

agcactggca gaattangtc aagacatggt tcaaccagnc ctgccaggaa aaccagaatt 60

aagaattgcg aggcaaaaga angctgtnaa catc 94

<210> 14940
<211> 229
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-F3

<400> 14940

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aaagtgatag aggagaggga taatgaattg gtgttggatg gaggttttgt ggttccaaaa 180

tcaaaggaaa ctgatgcatt cgatgctcct gatatgaatt tcttgggca 229

<210> 14941
<211> 246
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-084-Q1-E1-F6

<400> 14941

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cggtggcgcc tcaccgtcca acgacggcag actcttctcg gagggcgagc gtgttctcgc 120

ttaccatggt cctcgcgtct acggagccaa ggttcaaaag gtcgagcttc ggaaaaagga 180

gtgggaatac tttgtgcacn ancttggttg gaanaaaaat tggnatgaan gggtnantgc 240

ggnnaa 246

<210> 14942
<211> 240
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-F7

<400> 14942

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ttcgtcgccg ttaaagcgac tccggtcacc ggacctctga ttccccgtcg cgatcttctt 120

tctattcgta tcagagctag ctcgaatcag aatagttctg gttattgttt tccagaaaag 180

tttaaatctt ttgccaaatc agcgattctc atcggtgctg ctgtttcaat gaccggaaag 240

<210> 14943
<211> 242
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-F8

<400> 14943

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attcaattct ttcttggaga agcatttgtt actcagctgc attgtcagcc aaagcttctt 180

accagcgagc tctacactta gcccccttggc aagctaatgt ttataccgac atagccataa 240

ct 242

<210> 14944
<211> 146
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-084-Q1-E1-F9

<400> 14944

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aggccttcct aagtgagcat tctctctgct tcanactaat tattatgatn agcatctcct 120

ttaactgcaa gtttaagata ccanat 146

<210> 14945
<211> 280
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-084-Q1-E1-G11

<400> 14945

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actcgcatct tataagctga aagtatctgt gtggaaccaa aatagaattc aagagtccca 120

aaagatgact tctttgctac aagctgcaga taaatggctc aagcgtctgc aagttgatca 180

tccagactac agattcttca cctctaacag tccacaaatg aggtgaaaat gaaagataca 240

ttcttgacca tggatttggc tcnggtctga tcaaaagacc 280

<210> 14946
<211> 279
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-G12

<400> 14946

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ttctccgccg ttatgggtag ctccggcgac gttaactgga aacttgcgga ccaccccaag 120

cttcccaaag gcaaaactat cggtttgatt gttctcgatg gatggggtga atctgatccc 180

gatcaataca attgcatcca taaagctcca actcctgcca tggattccct taaagacggg 240

aagcccgaca catggaggtt gatcaaagct catggtacc 279

<210> 14947
<211> 229
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-G3

<400> 14947

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tggggcgaag ttggaagcat actcttgtgg aaattaactg ttgatggaga gccaaaagtg 120

tcaaaggata tgattgaggc gattgatatg aagatgaata tgatccagtg gagggtgtta 180

gagggacctc tgaaggaaga gtacaatatt ttctcgaaaa cgatgaaag 229

<210> 14948
<211> 254
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-G4

<400> 14948

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gcgttgcgaa gatcttcgga tctctaccct tctctcgtcc ttcgtcttcc aagttttcca 120

cgtcgtcttc tgctccggcg tcgcggcagc aatcggggtc ggtgtggact ctctccgaca 180

cagaggtaga gaagcgggag tggaagcgag attcgtacga tagagacgag attccttgtg 240

cttcatcctt tgaa 254

<210> 14949
<211> 250
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-084-Q1-E1-H1

<400> 14949

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acggctcccg gagacgacgg aagcantgna gttcttcggt ggatctgaga ttagtccgtc 120

gccgcnagtt ccgacggaga gtggaaacaa cgcgcacatg atgtacgttt tcaatcgtaa 180

cggtatgtct tctctacana gaatggnatc gggctcntca tacacntaat cctcagcaag 240

atcanaagcc 250

<210> 14950
<211> 284
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-084-Q1-E1-H10

<400> 14950

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ctactgctaa cgcactcgtc gtcaaggtga gctatggagg tgtgcntagg cgtttcaagg 120

tgcctgttaa agctaatggn cagcttgatc ttganatgga tggtcttaan gaaaagatcg 180

ctgctctctt taannctctct gnggangcng aattgagtct gacttactca natgaggatg 240

gggatgtggt tgcccttgtt gatgacaacg atctctttga tgtt 284

<210> 14951
<211> 250
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-084-Q1-E1-H11

<400> 14951

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ggttanaatt gtttagtcaa tttgtanata tgatttggat tttgaccggt tagaattgtt 120

tggtaaattc aattttggcg tccacgatta nttgaagaaa gatttgctca acaatgtgta 180

aaccancatg aaccaggaaa tantcntctg gttatgtaca tttttagatn agttttggnc 240

cttttggata 250

<210> 14952
<211> 246
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-H2

<400> 14952

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cataattatg gaggaactac agcgcttgaa gcacttgaag attttaacag caaccataga 120

ggatgccatg attttggaaa gggtacaagg agttgaccga ttggcgagta gtattcgagg 180

tttatgtcta agaaacatgt cagcacctcg tgtaatatta aactcggtag ctctgggagg 240

tcttcc 246

<210> 14953
<211> 233
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-H3

<400> 14953

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gtgtgttgaa gtcggcgatt ggggatatgt tgatgacctt ctcttgggtt gtcctctccg 120

ctacctttgg aattcagacg gcggcgatta tctccgccgg tgattttcag gcaatcactt 180

gggctccgtt ggtgattttg acgtcgttga ttttcgtcta cgtctcgatc ttc 233

<210> 14954
<211> 222
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-H7

<400> 14954

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actggattga taatgagtat caacagagat gaggctctta gagccaaaga tcttgcggag 180

ggtttgatga aaaagaccga ttttactgct gctcgtaagc tt 222

<210> 14955
<211> 251
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-H8

<400> 14955

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cgtcgccact ttctacactc tccatcatcc agacgccgtt actcctcctc ttctattttc 180

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caccatctcc t 251

<210> 14956
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-A1

<400> 14956

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gtcttcatcg ccgtcattcg gcactccgtc atccacaccc gcctttggca catcttctcc 180

ggcgttcggt acaccgtcag ctacgcctgc gttcggtacg ccatcgaatc cttccttctc 240

ctccggcgga tttggctctt cactcttctc gtctcccttc tcatctcaac aggcacagca 300

aanagcaaca anaacaacag cangcagcaa gccgaagttc aactggnttc nagcaacaag 360

caatccttcg aaantttggg ttttcangtn caccaantca agcnagnncg nctcancang 420

nagnaa 426

<210> 14957
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-085-Q1-E1-A10

<400> 14957

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atctatacag atctgtgtac cctaatttat gtctctggcg taacggtcat atttaacccc 180

atttcaattt gagctcttca tcgctgcgtt tctgtgatct cggagctctt ccaagtggtt 240

cgagtagtgt caaaagagaa ggtgagagat gctgacgtgt atagcttgca cgaagcagct 300

taacaccaac aatggcggat ctactccgag aagaagatga agaacacggg agttattggt 360

acccctagga ctaagcaagc gattag 386

<210> 14958
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<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-085-Q1-E1-A11

<400> 14958

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tctctccaat gtcctcattt ccaatcgtgc tcaggatgta cgcaagagtt caatctccat 180

cgtccagctg ttgtcgacga agcttcagac ttcttcaagc gttacggcgt cgatgatttc 240

actttcgaca gttgtagact gtggggatgg agatgccgag caaaattggc tgttcgtggc 300

tcttcagata acgcattaat tggattgtac caagaaggaa ctcacactgt tgttgatatt 360

cctgaatgca aatctcatca tcctaa 386

<210> 14959
<211> 261
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-F12

<400> 14959

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attctctcca gaatcgcaag cttcgattcc cataaaaccc ttatgtcttc ctttaccgat 180

ccccttttc tgcgatcgct ttactctcct cgatccatcg ccatcagatt tcatggagat 240

tttgctcata gactctacaa a 261

<210> 14960
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-A3

<400> 14960

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tgcttctcac aagctcttca aggataaggc taagaaccgt gttgatgatt tgcaaggcat 180

gcttttggat cttcagtttg cgaggaaaga gagtaggcct actgatgtta ctcttcttga 240

ggagcaagtg aatcanatgc ttcgtgaagt ggaaatctga gctcaatgag ccttctccaa 300

gcttcatcct tgcaacaang tggtactcng gggtcnttct caacaagata tttgtccggc 360

tgnctgcanc tcctgtgatg aaggaaaata at 392

<210> 14961
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-A4

<400> 14961

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agtctctctc cagttatttt gctcatccat cgattcttag agttcaaaat ggttgatcaa 120

gttcancacc ccactattgc gcagaaagct gccgggcagt tcatgcgttc aagtgtttcc 180

aaggacgttc aagtgggtta ccaagaggcc ttctatgtat caaagacatg caacctangg 240

naactactcc aatgctgcan ttcaatttcc tccnacatcc cggatgttgg caacaactgn 300

ntctcccgtg tttgtcnaaa ccccaggaga gaaggggttt cactaacttt gnccctngga 360

ctttctggat gggtgggggt tnctggctgc ggtctccaag 400

<210> 14962
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-A6

<400> 14962

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acagtcgtag gtcctactcc cctggctatg aaggtgctgc tgctgctgct ccagatcggg 120

acagaaatgg agacaatgag attagagaaa aaccgggcta tgaagcagag gatagacgtc 180

gtggtggaag agcagtttca aggtcgccat caggatccag gtccaggtct gtggaggtat 240

ctccaagatg aaacttatgt gaanaagtgg ccgaccaaaa ctttgtgcaa cgctttatgg 300

gttttgcatt tctctagtaa gtgcgtctct gtgtctttaa aaactcctta ctccgggctt 360

gtcaaagata ttttgtcntg tgatgtgatg ttact 395

<210> 14963

<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-H8

<400> 14963

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ctanttgcgg tttgttgggc tctcacnttc tctttcancc gatttgatct ttcgtttctt 120

gtggtttgac ttcacttgaa ncaagctctt ttantgatct tattgtctcc tttatgttct 180

gatgattccg cattgtgaaa tcactanaga ttttggggtt gtgatatgaa taatctgggg 240

aattttgggg tttggggatt cgggttcttc tccttatcta tttgggtttg cggttctgca 300

acaagctaat ggactcagac ccatnagggg aaactgctcg gtccctgggg cgatnaantg 360

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<210> 14964
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-083-Q1-E1-A2

<400> 14964

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ccgtgtttag tccttctgct ttatctctcc ctatctcctt ctctaaaacc cgatcctctt 120

ttctctccag aaagaagggc gtgaaaggag aatttagggt atttgctgtg tttgggtgat 180

gagagtggat tagttgagaa gaagagtcaa tggagacctt tgtttgaatg tggaggatcc 240

tagatcaaaa gctcctccct tataaaggaa agtttttaga tgttaatcaa gctattgaag 300

ttgctaggtt tgatattcaa tacttgggat tggcgtgctc gtcaagatct tcttaccatt 360

atgattcttc atgacaaggt tgttgatgta cttaatcctc ctagg 405

<210> 14965
<211> 244
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-083-Q1-E1-A3

<400> 14965

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acctcctctg tttcagctaa tttccaaaga gacgttgaga tcacttgggg tgatggtcgt 120

ggacagatca agaacaatgg anagcttctc actttatctc tanataaatc ctctggttct 180

ggattccant ccnaagacga ntacttgntt gggaaannte gcnatgnaaa agnnccttgt 240

cnct 244

<210> 14966
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-A4

<400> 14966

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cggcncaaan ccaaannCac taangaggag aanattgcta aagtttgata aaccatncca 120

aaatcaatgg ctgataggat caaaggtcca tggantcctg aagaagacga gcancttcgt 180

aggcttgttg ttaaatacgg tccaagaaac tggacagtga ttancaaatc tattcccggt 240

acatcgggga aatcgtgtcg tttacggtgg tgcaaccagc tttcgccgca agttgagcat 300

cggccgtttt cggctganga agacgagacn atcgcacgtg ctcacgctca gttcggtaat 360

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tggaactccg acgctcaaga aggaaatgcg gggggttt 458

<210> 14967
<211> 370
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-A6

<400> 14967

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cggttcctac ttcttccaag aaatcgggaa accgacacca caaagcgtgt gccgtgcgag 180

aaancgcctt tctcggtggg agatctgaga gaaagcaatc ccgccgcatt gtttcaaang 240

ctcaatccct cgctcnttct ccctaactta tcagtgacat cattatngcc tcaatgcntc 300

tagtaagtcn ncanccaatt nacntctcct cncntcccnt cagcntcgnc tcctaaagnt 360

ggcgttnggg 370

<210> 14968
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-083-Q1-E1-A8

<400> 14968

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ctgtttttct tctttctctc aataaaccaa catggtatca gagccgatgg ttgtccttgg 120

ttgtctctac aaaaataaga tgtgttctgc tgcgaaaaga aaaagagaga tggagacaac 180

aaatctatgg tgagatgaag aggaagaaga agagggaaga agaagaaata agaggtggta 240

actacagaga gtaccatcag ttttcacaaa cacattcaca tgaagtacct tcaagaggaa 300

ggctccaaaa gcgatgaaga agataggaaa tcttctctag aggcaatgga gaaaacgaat 360

gtggatttgg gagttgtgga aggagagttt tgaaaattg 399

<210> 14969
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-A9

<400> 14969

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ggaattcatg gtcaagaccc gccgtagaaa gggaatgagc gaagacgtca gcggaaataa 120

attctttgat gaagcgatga tggtagagct tgcccagcaa anaggcgatc tccatctgca 180

gatgatttga tgatctctgc actttttca tataaatcgt gattcaggac tagtagtagt 240

atcttctctt ctctatatat gtgaaaggag aacaagaaaa tgtggatcag ttttgtaatt 300

gatgtgtcaa atttacgttg tnagttgaga gattttaatg aactcaacag tccacatggt 360

cacactcaca catgantcgc aaatanttga cagg 394

<210> 14970
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-B1

<400> 14970

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ttgccagcgt cgggattttt ccttccctgc ntctctctat ttcacattgc tatctgtttc 120

ccctcttgtg cggccgtttc ctcaatcatc tagtgtaatc aagcgtctta aagtggagaa 180

cggcatttca tcctccatca tactcagatc tatcgacgct ggttcttcct cgatctccct 240

ttaaaccttc ttccaccgta tctcgccgcc ggtangtacn tcttcacctc cccttgcgat 300

tcaaccaaat ccctcttgcc tcgtcntcga agctcccggg gaatcctaat ggtggggant 360

tttcgggcaa agggntaatc ccggtgaaag aagaaa 396

<210> 14971
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-083-Q1-E1-B10

<400> 14971

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tgttttgaaa gatttcaaaa caccagtgtg gcgggtctcg tggtcgttga ccggtaattt 180

gttggctgtt tccgatggga acaataacgt tacagtgtgg aaagagtctg ttgatggaga 240

gtgggaacaa gtgactgttg ttgagccata gattgttgtt tgtttgtttg gttatctttt 300

gttttgtggt aatatcaaaa tgtggtgtgt tctgtataca atttctaggg acctgtttct 360

ctctatacgt ttctcaggaa agtatattc 389

<210> 14972
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-B2

<400> 14972

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ccgttagttc ttcgtcggag agacggggtg gagagaatcc tgctgcaagt ggtagctgtt 120

tgatacttga gtcattttgt cacagcaaca tgaatatgcc gctgttggat attcaaccac 180

gaacgttgca gtttgcagtt gacctgaaga agcaaacttc ctgcgtggta cagctaacca 240

atactaccca tcattatgtt gcatttaagg ttaaaaccac atcaccaaag aagtactgtg 300

ttcgtccaaa tgttgggtgt tgttgcacct aaatcaacct gtgaattcac tgtcattatg 360

caaagctttt aaagaaccac ctccagatat ggg 393

<210> 14973
<211> 93
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-B3

<400> 14973

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actctctccg actttctctc tcatcancaa gac 93

<210> 14974
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-B4

<400> 14974

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catattcttt tcccactgat tcttacaatc gatctaaggg aatctacgaa ctgtttggta 120

atttctggtg ggaaaagtct tgatcttgct gtttggtttg ggagtaatgg tgagtgcttg 180

gtttgttgtt ggctcaccgg tgatggactc ctcnaagcaa tccatgttta tgtcctggat 240

gctcacacga cgggtaccat cangaggaag aagatccttg gcaaagcaag aaatctggaa 300

ttaggaagct ctttcactgg ctcacattgt ttttangctt tctccgaagc gtgtatcgag 360

aattgcgaat cgaaagagca aaaagctcct tgattgtgaa tga 403

<210> 14975
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-B6

<400> 14975

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aagtcaaatc tagggctttc tttgtctttg gtgactctct cgtcgacaat ggaaacaacg 180

actacctcgt caccactgcc cgtgccgaca attacccgtt atggtatcga ctacccggac 240

cgttaaccca acgggacgtt tctctaacgg ccttaacatt ccccgacatt atcagtgagg 300

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tagtcggtgc taattttgcc ctncngng 388

<210> 14976
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-B7

<400> 14976

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taaacaaaaa aaaaatcaac gtttcaatct cggttccatt cattctgttt catgggatta 120

tnagatcaat gctccaatgg tggagtgagc agcttcgtac agctccttag caacctctct 180

agctcccatg gatcttgctt agaaatagga aatggagagc aagattcggt gactatgccg 240

cttacncaac aagcgagtgt ancgtgtgag aangttaaac anatgaagga tttgagtcaa 300

ggctacaaca ttgttgcaca agtctcanng aaacttggta agctagangt cnaaatcgaa 360

gttttgtgac aatgctcctc ccggtcttca ng 392

<210> 14977
<211> 387
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-083-Q1-E1-B8

<400> 14977

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ttcaaatttc cctacaaact ccgaaag 387

<210> 14978
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-083-Q1-E1-B9

<400> 14978

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<210> 14979
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 14979

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cgagatgctt tctcgganct ccggtcactt cctcttcttt atcactctcc ggtaagaaga 180

actcatattc tccgaganag ttncatgttt ctgccaataa agtttctggg ttanaggaaa 240

ccattagaat cagaaaaatg anagagcttg naactaaatc aaaagttagg agaaatccac 300

cattaagacg tggnnagagt atcgcctcgt cttcctgtac ctgatnacat tccaangcct 360

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<210> 14980
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 14980

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gtttctcccg atgggctctc cggtcaatac acgggccctg atcacgacgg cgtagttctt 240

cagactgaaa atccggcgcc gactaactgt cntgcttact acttcgaggt tcaataatca 300

tgaantnctg ggnnananaa ggagaaattc ccgattgggt ttctccaaac ggaacacatc 360

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<210> 14981
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-G11

<400> 14981

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tcggaaatga cgaagaggaa gaaggaagta atagatgtcg attgctccga gaagaaagat 180

tttgtgattg attggtcttc cgctatggat aaggaagacg aagttcccga gctcgagatt 240

gttaatacca ccaaacctac tcctccgcca ccgccaacgt ttttctccga cgatnaaanc 300

gattctccga aactcctaac cgatcgtgac ctcgacgagc agctagaagc gtaaaaaaag 360

cgatcctgac attaggtccg ggcttacncg acaagggtga gaaaattcga ctcaaaatcg 420

ctgatctcga agaggagaag cancgtanag 450

<210> 14982
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-G12

<400> 14982

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ctctccgcaa aaaatcccca aacacgatct caaccttgtg agatttccaa tcgaaatcga 180

gaagccatgg ataacagcag cagcatcaat tccaccgctt ccacggcctc aaatctgagc 240

acggcttctc tggaaaagct agatcaagcg gcgagctggg tcagcaccac cgttatttcc 300

gccttcttcg cctccctcga gcgttgctca tgcgttaacc tatctacctc cgatgatgac 360

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cgacatcgtt tagattccct tcggttcggg aaa 453

<210> 14983
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-G2

<400> 14983

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ttttcttatc tggctcaatc ttgagagttt tgagattctg tgggagagac aatcttaggg 240

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<210> 14984
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-G3

<400> 14984

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tcancgatgg cgactgagaa tctcaccgat aagaatgttg ttttcagaaa gctgaaatca 120

tnaatccgag aacaaggttt gctttgattg tnntgcgaag aatccaacat gggcttctgt 180

tccttatggg atcttcctat gcatcgattg ttctgctgtt cancaaagtc taggtgttca 240

nagcagcttc gtcaggtcaa cgaacttana ctcgtggagt cctgagcagc taagaanaat 300

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tggtaagatt gaggntaatt atacttcaag anctgg 396

<210> 14985
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-G4

<400> 14985

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aaaaaatatc ttcacattat tcggtagtca tagcgatact cgttgtggtg acgatgacct 120

cgatgtgtca agctgtgggt agcaacgtgt acccctttgat tctggttcca ggaaacggag 180

gtaaccagct agaggtacgg ctggacagag aatacaagcc aagtagtgtc tggtgtagca 240

gctgggttat atccgantca taagaaaaag tggtgggatg gtttangcaa tgggttcgat 300

gcagcagttg taatgnccnc ccttcaacaa ngntgcntca nncgatcgaa atgnangntt 360

gtacnaagaa cccngaattt ggatngagtn acccanaang cnncctgggg gtnca 415

<210> 14986
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-G5

<400> 14986

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ctgtttttct tctctctctc aataatccaa catggtatca gagccgatgg ttgtccttgg 120

ttgtctctac aaaaataaga tgtcttctgc tgcgaaaaga aaaagagaga tggagacaac 180

aaatctatgg tgagatgaag aggaagaaga agagggaaga agaagaaata agangtggta 240

acaagagaaa gtaccatcag ttttcagaaa cacattcaca tgaangtacc ntcaagagga 300

angctccaaa agcgatgaag nagataagga aatcctctct aganggcaat gggganaaaac 360

naaatgtgga atttnggnnt tgtnggaaag gannatttc 399

<210> 14987
<211> 331
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-G6

<400> 14987

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tataatgaga ataaacctgt tctatcanta tagacacaca caagaggtta agttggagca 120

gggtttgaag gttgtaaaga ttttcaagga gcataacagc aagacatgca ttttggatga 180

tttctcgttc tacgaggctc gacaaaagac tattttggag aagaaagcta agcagcaaca 240

atcccagaag caaggcaaga gaaagaaaac cgttaattcc atagatataa agcangatgc 300

anttacaatt tgtnctcctc cactccccna g 331

<210> 14988
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-G7

<400> 14988

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ctccaaagtc ataacagaga agagaaaatc ggtgacaacc cttacaaatg gtagtcgtca 120

tctagagagc aagcctaaga ttcatgatgt cgacaaatgc gccgaagctt tcatccaaaa 180

cttccggcga caactttctc ttcagtgcga taacatcctc cctagaggag ctctctgata 240

tattccactt acagaaaaaa tagatgtctc atgtcacgtg tttcagataa catatgttac 300

ttatctctct aagcttctta ggcgatttca attgtantat aangtttctt antatcatat 360

aaccacatgt ttttagangc ataaaaaaaa g 391

<210> 14989
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-G8

<400> 14989

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ttccgggtca agctccatgt cttaacaggg acgagtatgt gttctgggac gcgtttcatc 120

caggagaagc tgcgaatgtt gtcatcggta gtcgatcttt tcagagagaa tctgcttctg 180

atgctcatcc ttatgatatc cangcagctt gctcggctct agttcatgaa atttcctcca 240

agcaaacaca gangttgaaa aannagaagg gagacagatt tnanccttttt cttanttaaa 300

tggttggatc gatggttcct cctggctgca gnaagaattg gnttgttttg ttnaagttta 360

ngtnncanng ggttctaana ggatngcatn aaatt 395

<210> 14990
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-G9

<400> 14990

atttctacaa atgggtttcc aaagatctat ctcttcttct tctgcattaa aatggcttgg 60

atttgtaaca gcggtttggg ttcaatccat ctccggcaac aactacactt tttcaaacta 120

ctccggtgct cttaagtctc tcatgaatct caancagctc gagctcaaca acctctctgt 180

cgctaaagac gtcggaaaag cctttgggat cctggctggc cttgcctctg accgtcttcc 240

cactccggtc atcctcctta ttggttgctt tgaaggtctt cttggntatg gtgtacaatg 300

gctcgttgtt agccgcanca tccaaccaat cccttattgg canatgtgta cattcntctg 360

tangggaggg aanatcacaa cgtngntgaa 390

<210> 14991
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-H1

<400> 14991

ggtaccttgc aggcacagtc cggaantccc gggctctcct cttcctctgg ntccggcgaa 60

aaaccccttt tcgatttcat tgataaaacg caaatcgatc tctcgtgtgg aagaagaaga 120

agaacacgat gggaacaatg ggtaaagcat tctacagcgt aggattctgg atccgtgaaa 180

ctggtcaagc acttgatcgg ctcggttgtc gcctccaagg gaaaaatcat ttccgagaac 240

agctatcaag gcaccgcaca ctcatgaatg tttttgacaa aacccctaat gtggataagg 300

gggcttttgt ggctcctaac gcttctctct ctggtgatgt ccatgtggga agaggttctt 360

ccatttggta tggatgtgtc ttgagaggag atgctaacag cattagtgtt ggaactggga 420

ccaatattca nggncaacgc tctttgtcca gg 452

<210> 14992
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-H10

<400> 14992

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cgcgtccgcc cacgcgtccg cggacgcgtg ggtgcgaaaa tggcgtcttc ggtttttcta 120

tccagtttct cgtcatcgtc ttctttgcaa ctctgctctt cctttcacgg cgagtactta 180

gctccgtcga gatgctttct cggagctccg gtcacttcct cttctttatc actctccggt 240

aagaaagaac tcatattctc cgagacagtt ccatgtttct gccaagaaag tttctgggtt 300

agaggaagcc attaggnatc aagaaaaatg agagagcttg gnaantaana tcaaaagtta 360

ggagaaatcc accattaaga cgtggtaaga gtatccgcct cgtcctcctg tacctgatta 420

cattccaang gctcctttat gttgaagttc cgggtgtatt acg 463

<210> 14993
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-H12

<400> 14993

ggaaaagaag agaaacatca aacatctttg gtttgcttcc ctcgtacccg ttcttcatac 60

aagcacgcct ttaattatgg attgtcatag aaagacgttc ttgttgaagt ttttgtgcgt 120

ggcatttctg ttaaactaca gcaatgttgg ctttgtagac gcagcaacaa acattggctt 180

gaactacggc ctccttggag acaacctccc gcctccatct gaagttatca acctctacaa 240

gtccttaagt gttaccaata ttcggatctt cgacacaact acggatgtcc ttaacgcctt 300

tcgagggaat cgcaatatcg gagttatggt aaacgtgaag aaccaagact tanaggcctt 360

tcggtcaagc gaagaaactg ttaacacctg ggttcgtgac 400

<210> 14994
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-H2

<400> 14994

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gtgaaaagag ttcttgggaa aatggaaggc gtggagtcat ttgacgttga tataaaggag 120

cagaaagtga cggtgaaagg caacgtgcag ccagacgcag ttttacagac cgtgacgaaa 180

accggaaaga aaacggcttt ttgggaagct gaaggtgaaa ctgctaaggc ttaaggagaa 240

gcagatcttt tatgtgattc ccctgtttta aataaaatcc taatgttgaa atcnttttaa 300

ttttcctcct ccggttgcct tggtgacttt gtgggctgaa gttgtaattg ggaactatan 360

gatgaataca aacacacntt ttgaagntga ataaaataat gcactggggg gcattatcct 420

ggtc 424

<210> 14995
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-H4

<400> 14995

aaagtttctc angaaactct tcttcttctt ctctgccaag ctctgtaaac gttggagctc 60

tgtttactta tgattctttc attggaagag cggccaaact tgcgtttgtg gcggccattg 120

aagacattaa tgctgaccag agtatcctca ggggcaccaa gcttaatatt gtcttccagg 180

acactaattg cagtggattt gttggcacca tgggagcttt gcagctaatg gagaacaagg 240

tggttgcagc cattgggtcc acaatcttca ggaattggtc acataatctc ccatgtagct 300

aatgagcttc atgtaccttt cttgtcattt gcaacaacgg accccgactc tttcttccgc 360

ttcaataacc ttatttcctt cgtancacac agaa 394

<210> 14996
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-082-Q1-E1-F9

<400> 14996

aaaaaatatg tattgtagag agtccttgtc gagtctccag actttgaacg tagcaaagag 60

tctcagctct ttgttcccta aacaatcagc tctcatcaac ccgatctccg ctggacgtcg 120

aaacaacctg cctcgtccaa acctcagaag acgatgtaag gtcaccgctt cacgggctaa 180

tattgaacaa gaaggtaaca cagtgaaaga acccattcag aatattaaag taaagggata 240

cataacggcc caagaagagt ttctggaggg cataacttgg tcgagaggtc tcgatgacat 300

tgctgatatc cgcggcagat cattgctcgt cgagcttatt aagcgccaag actgaccagc 360

ggattacggt agaagactac gcacaacgtg 390

<210> 14997
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-E1

<400> 14997

aaaagcctcc gtctcctcct ctctctctat tcatcagcct caacctctct ttcgtcgtcg 60

actcagtttc cgatttaggg ttacccaatc ttcgccatgt atcgcacggc agcttcacga 120

gccagggctc ttaagggagt tcttactcgt agtttgagac cancgcgtta tgcnagttct 180

antgctgttg cggagacgan ttcgtcaacg ccggcttact tgagctggtt gagtggtggg 240

tctcgtgctg cgcttacntc attggatatg cctctacaag ggtgtttctc ttcctccngn 300

ngcntgctgg ataaaggtcg agccggagca aacnttcaag atnaactant ccttcnaaaa 360

tggtcttaag ganannncctc atgncganga cgccggaatc 400

<210> 14998
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-E10

<400> 14998

ttggtagccc ttaggtacna gtccggaatt ancgggtcga cccacncgtc cggaaaaaat 60

gagcggcgga ggaaacaacg tcgtgaacaa agtgttctac gcgacgtcgt atcatccgat 120

tcaagccgga agtatcgacg gaactgatgt tgctccacat gataacggcg tccgtcgagc 180

tcttctctgt tataacgctg gcttatatga tccttctggt gattcgaagg ctgttggaga 240

tccttactgt actctcttcg tgggtcgtct ctctcatcac actacggagg atacacttcg 300

agaggtgatg agtaagtatg gcaggattaa gaacttgcgc ttggtaagac acattgtgac 360

gggagcttca cgangatatg gttttgtgga gtatgagact gaaaaggaga tgcttcgtgc 420

ttatgaggat gctcatcatt cactaatag 449

<210> 14999
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-E11

<400> 14999

ggtnccttna ggngccagtc cggatnaccc gggncggccc acacntccgg aaacccccaa 60

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atggcgacat ctgaagcgga atatgagagt gatcccgagg agctgaaccg ctccttggcg 180

acgaggagga gagaagcgag tgatgacgat agtgatgatg atgatgctgt tagagatgtg 240

aaaaatcaga nggctgtggt tgattctgac ctatctgatg aagaagttgg tactgtgaag 300

tatgataatg acgaagatgg ggaggatagt tatgaggatg atgaggacga aagtggtgga 360

ggaatcgata atgataagag tggtgtggtg aangaggctg gtgatatgaa tggagaggaa 420

gaaaatgaaa aggagaagtt aca 443

<210> 15000
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-E12

<400> 15000

ttggtagccc ttnaggtgcc aagtccggaa tanccgggtc gacccacncg tccgcccaat 60

cttaaagaca aagccattag aaagagaaag tgagtgagag agagagagaa actagctcca 120

tgttcgaaac agagcatcat actctcttac ctcttcttct tctcccatcg cttttgtctc 180

ttcttctctt cttgattctc ttgaagagaa gaaatagaaa aaccagattc aatctacctc 240

cgggtaaatc cggttggcca tttcttggtg aaaccatcgg ttatcttaaa ccgtacaccg 300

ccacaacact cggtgacttc atgcaacaac atgtctccaa gtatggtaag atatatagat 360

cgaacttgtt tggagaacca acgatcgtat cagctgatgc tgggacttaa tagattcata 420

ttacaaaacg aangaangnt ctttgaatgt 450

<210> 15001
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-E2

<400> 15001

cggcggcgaa aatgggtttc aagaggtacg ttgagatcgg gagagtagca cttgtgaact 60

acggagaaga tcatggaaag ctcgtcgtta tcgtcgacgt tgttgaccag aacagagctt 120

tggtggatgc ccctgatatg gagaggatcc agatgaactt caagaggttg tctcttaccg 180

atattgtcat tgacatcaac cgtgtgccaa agaagaaggc tttgatcgag gcaatgggaa 240

aaggctgatg tgaaagaaca agtgggagaa aagctcatgg ggtanggaag cttatcgtgc 300

aaaaacgtng ggctaacctt aacgactttg ataggtcaag atcatgttgg ccaaagatna 360

aagaaaagct ggngtttgtc angcaaggaa cctt 394

<210> 15002
<211> 407

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-E3

<400> 15002

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agaggacagc taaggtcaac aggaatcctg atctgatcag gggagttggt aaatactcaa 120

ngtctcagat gtaccataag agaggtttgt gggcaatcaa ggccaaaaat ggaggcgttt 180

tccccccgcca cgacgctaaa tctaaggttg atgctccggt ggagaagcca ccgaagttct 240

atccagctga agacgtgaag aaacctctcc ccaacaggcg cacggcaaaa ccanccaagc 300

tcaagagcta acatcactcc anngacagtg cttatcatcc ttgctggtag atttaaaggg 360

caananaant tgtccntcct taancaacct tgcctccggg ttngctt 407

<210> 15003
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-E4

<400> 15003

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acaaggttta ctttgatgtg gaaattggag gtgaagttgc tggcagaatt gtgatgggtc 120

tctttggaga agttgtgcct aaaaccgttg aaaacttccg tgccttgtgt actggtgaga 180

agaaatacng gtacaagggg ttcctctttc catcgtatta ntaangattt catgatccaa 240

ngaggtgatt tcaccgaggg aaatggtact ggaggtatta gtatttacgg tgccaanttc 300

gaangatgaa agcttcagcc gtgaagcana ctggncctgg aatcttgagc atggcaaacg 360

ctggtcctaa tacgaatggg aagccanntt ttttcaattt t 401

<210> 15004
<211> 375
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-082-Q1-E1-E6

<400> 15004

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cgatgtgatg ttgcttggtg cacaaaacaa caacatggat gacaagaaga tgcaagtcac 120

agtggcttac aaccatttcg gaaaaggact tgtgcagagg atgcctaggg tccgatgggg 180

tttcgtccac gttgtcaaca atgactacac tcattgggag ctttacgcga tcggtggtaa 240

gccaaggtcc taccattctc agccatggaa accgtttcat cgctcctcct cacaaacaac 300

actacagaga ggtgacaaag agggattatg cttcagaaag ngaatggaaa aactggnact 360

ggagatncga gaaag 375

<210> 15005
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-E7

<400> 15005

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actatcccgg cgaatctcgt tctcaacccg agatctaaca aatctctcac tcaatccgta 120

cctaaatcct ccgcaagatt cgtctgctcc gatgacaaat cctcctcctc cacacctcaa 180

tccatgaaag ctttctccgc cgccgtcgcc ctctcttcca tcctcctctc tgctcctatg 240

ccagctgtcg ctgatatctc aggtttgact ccttgcaagg gatcaaaaca gttcgctaaa 300

agagaagaaa gaanaagatt aaagaagctt tgaatcctct ctaaagctct aanggctcct 360

gaaatctggc cctggctnct tggctcctca aatg 394

<210> 15006
<211> 133
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-E9

<400> 15006

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cataatgcat naacacagct tatgttacca attacaataa tgctcttgag cagcttgatc 120

aagcngtgga naa 133

<210> 15007
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-F10

<400> 15007

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naacaaggaa tggcaaagga agggggcttg ggagagaact caagatggag tcttggaggc 120

atgaccgctc ttgtcactgg tggctctaaa ggcatcgggg aagctgtggt ggaggaacta 180

gccatgttgg gagcaaaagt ccacacgtgt gccanagacg aaactcagct tcaagaacgc 240

ttacgtgaat ggcaagcaaa agggtttcag gtcaccactt ctgtctgcga cgtctcttct 300

cgtgaccaac gagtgaaact catggaaact gtttcctctc tctaccaagg aaaactcaac 360

atcctccgtc aacaatgtgg gaacgtcaat attcaagccg accacagagt atacaccaag 420

aagatttctc ctttgtaatg gctacaaaat ctcgagt 457

<210> 15008
<211> 293
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-F11

<400> 15008

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tttgggttga ggtttgtact aagagtacgt ctgtctagtt tgggattgta ctttttgttg 120

ttgttgttag tttgtaactt gtgatgcttc cctcccccta gctctcttat tacatgggcg 180

ttgtaaactg tgtgtactac tactactagt ctctanggta tgtacttttt ttttcctcac 240

cataataata ccttctggtt ctaaaaaaaa aaaaaaaaaa aaaaaaaggg cgg 293

<210> 15009
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-F2

<400> 15009

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ttgtgaaaag gtgcttatca gatggagatt ttctccatga aagttgcact ccgctgtcag 120

ccatgagtag caatcatgaa agcatgccac aaaaaggttt ctccgcacca ttacagcatg 180

tgagccatat tctttcagag tcatcgtcng atataccagg tatctaatga tgtagcatta 240

tcaaggtgta ctccttcaat gcccanggaa acagctcttc ggagatgtgc aaanggttca 300

tcgttttggt angcgaccaa gtttactttg gccggggang aagacatgtc taagtgtcnc 360

caattttgtt gatattgagt ggctttcatc aggaaaancc a 401

<210> 15010
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-F4

<400> 15010

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cagcgacaag tacatcttag gacgagaact cggtcgcggc gaattcggaa tcacgtatct 120

ttgtacagat agagagactc gtgaagcttt agcttgcaaa tcaatctcca agagaaagct 180

ccgaaccgcc gtcgatgtgg aagacgtccg tcgtgaagtc acgatcatgt caactttacc 240

ggaacaccca aacgttgtga aacttaaagc gacttatgag gataacgaga acgtgcatct 300

tgtgatggac tttgtgaagg agggtgagnt ttttgattcg gattgttgcc aagaaggaca 360

ttatacagaa ncntgcgggc gggntacggg tcgccgagaa acaatngcgg g 411

<210> 15011
<211> 329
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-F6

<400> 15011

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tgctaagcta aggaaggagt ggattgatcg tcgggagaag ctaggaacac caagatacac 180

tcaaatgtac tacgctaagc aagggatcat aactgaggaa atgctctact gtgctactaa 240

nggagaagct aanaccccta ntttgnnang aatcagaaat tnccncaagg nngggncnat 300

tatcccttcc aacaangaan ncatttggg 329

<210> 15012
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-082-Q1-E1-F7

<400> 15012

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ttagaatctt gccttttaca gagtaacact acatgccgac aatggggaat aagaattcga 120

tgtgtgggtt aaaaaggttt ccgaactaca agaagtctcc gatcggttca tttgcgaaaa 180

actcatcatc tcacgacggt attaaaacaa tcgaagctgt taacagttgc agtttttcta 240

gaaaagcaag atctttgcat ccgtatcatc acatggaaca tgaatggaaa tgtttcgtat 300

gaggatttag ttgaagcttg ttggcaaaga aagggaagtt cgatttgctt gtcgttggct 360

tgcaaggaag ctcccaaagc aaacgttgat caact 395

<210> 15013
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-D9

<400> 15013

ttggtagccc ttcaggtgcn agtccggaat aaccgggtcg acccacncgt ccgcaaaaaa 60

acanaaaacc aaaaaaaaaa acaaaanaaa aacaagaaat aatggagatg aagaacatct 120

ttgtggccct ctttatctcg gccgtgttag tgagctcagt ctccgcggct acaatggagt 180

ctccagcacc atcaccaggt gcttcctctg cctccaccgt agcttttccg gtggttggct 240

ccattgttgc tgcatcactc tccgccttct tggctcttct cttgcagtag aaagacaaga 300

gtcctcaaaa tatgagaagg agatatataa caaaactctt tttttgttct gattttgttc 360

cttagaatct atgatgacaa ataacccatt ttgatgtata atctcattgt gtaagttatt 420

acactaatat atatgagtat atgataataa ta 452

<210> 15014
<211> 75
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-A5

<400> 15014

nattagaagg aacctattca aagatggaag ctcntcttag cctaaacatt caaccagttg 60

agatcttgtt gatnt 75

<210> 15015
<211> 374
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-081-Q1-E1-A6

<400> 15015

ttcgtgttcg ccggcggtga catttacgcg cagaaacgtt gatactctct ctctctcgac 60

ggaaaattct tcctcggaga tatggtgacg gagctggaag agcttgtcga atttttgtca 120

tctccttcac cgcctgtgaa gaaagctgcg gtggaaattg ttagtggttt aactggttcc 180

gaggaaggtt tacaatctct atcaaagtat tccgagattc ttcttccatc attgtctcag 240

cttctaaatg aaagcaagga ggtatcagag ccagcagctc aagctcttgt taatctttct 300

cagaagtgtg aattggcaaa gaagatgatt caaatgggtt tgattaaagt ggccatggac 360

atgttgtata agcc 374

<210> 15016
<211> 330
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-081-Q1-E1-B10

<400> 15016

tacaatctct agaaaatggc gatcacttac ttgcttcctc tgtttctttc tcttatcatc 60

acctcctctg tttcagctaa tttccaaaga gacgttgaga tcacttgggg tgatggtcgt 120

ggacagatca agaacaatgg agagcttctc actttatctc tagataaatc ctctggttct 180

ggattccaat ccaaaaacga gtacttgttt ggtaaagtct ccatgcaaat gaagcttgtc 240

cctggaaact ccgcaggaac agtcacaaca ctttacttga aatcacctgg aacaacatgg 300

gacgagatag atttcgagtt tttagggaat 330

<210> 15017
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-B12

<400> 15017

taaagncgta cgcgnnccaa ataccggaca ggnattcccg gntcgacnca cgcgtcnggt 60

ggattgtttt catcggcgat aagtctcttc tcctctggga ttgaggttgg tggtgtgagg 120

taaagcttcg gtagttagag atgaatgcgt ccggcttaac tgttactccg cccagatttc 180

actttcgatg gcgttctgat cgttttggta catctcagag aagctctcaa gcttttactg 240

ttcttagcaa attgaataat cgaaattccg cttggcctgt tcttaaaagt tctcgtttgg 300

cgcttcctac acaaagaaga aatgctatga tcactcgtgc catgagtgct tcctttggtg 360

atatggcaga cgattcagct gctatcttcc ctcggatcaa tgt 403

<210> 15018
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-B2

<400> 15018

ggntgggnng ggnaacttta gcgccaggtg ccgtnaggaa ttaacgggtc gacncacgcg 60

tcngcggaca cgtgggtttc tgatgcccgc ccacctggga tttataaacc agattatatt 120

gatgctttat acacttttta tcacgaaata aagcctgaaa gtgttacttg cccaccaact 180

cctgaatgga agaggtctgc cgagcttgat cttaatggtg aagctgttca agatgatgat 240

gatgatgatt ctccgcctga ccctgttcaa gaaatcaatc aggagaatgt gaagatgtca 300

aatgatgaca ctttgggtga tgaaataccc cattatcagg aggaagctta ccggcaattc 360

tgttataaaa tgcttatgat gaatgttggg ggaagaggat ttatgcaatt cccaggttcg 420

caccctgtat cattagacag ggagagttt 449

<210> 15019
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-B3

<400> 15019

tggggnntgn nggnaactct tacacgctcn agtngccgta naagaattca acggctcgac 60

gcacgcgtca agtcagcaaa agataaaaga actgaaacag tctctaaaca gcgagtttca 120

actcattcac gagttatgcc tatatgtcct ctcagcttcc caaagacaag agcttatacg 180

tgctacactc tctgcattgc atgcctatct ttcttggatt ccgttgggat acatatttga 240

gtccccttg ctggagatcc tacttaaatt cttccctgtt ccagcatata ggaatctcac 300

acttcaatgt ttgtcagagg ttgcatctct taattttggg gacttctacg atatgcaata 360

tgtcaagatg tacagcattt tcatgaatca gttgcaggca attctccctt taaatttaaa 420

tatccctgag gcatattcaa ctgggaagta gtgaagaa 458

<210> 15020
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-B4

<400> 15020

ggnnggggnn ngnggnaact cttacgcgtt caggtagcnc gtaangaatt canggntcga 60

cncacgcgtc aagcccacgc gtccgcccac gcgtccgccc acgcgtccgc ccacgcgtcc 120

gcccacgcgt ccgcccacgc gtccgcccac gcgtccgccc acgcgtccga agcatcgagg 180

acgcaacatt cgctcgttcc tcttgcgacc ctgattggta gggagctgag gagcgagaaa 240

gtagagaagc cttttgtcaa gtatggtcaa gcagctctcg ctaagaaagg agaggactac 300

tttttgatca aaactgactg tgaaagggta cctggtgatc catcatcggc tttttcagtt 360

ttcgggatat ttgacggaca caatggtaat tcagctgcca tatatactaa ggaacatctt 420

ctggaaaacg tggtgagtgc aattctcaag gngcaagca 459

<210> 15021
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-081-Q1-E1-B5

<400> 15021

tcttccatca tcgaacaagg ctatggagtg ggtgatgtca tttcccttct atggttcaaa 60

cgtagtctac ctcgttactg tacaaaattc attgagatat gcataatgct gtgtgctgat 120

cacggtccat gcgtctccgg cgctcacaac accattgtaa cagcaagagc aggcaaagac 180

ctcgtctcaa gtcttgtctc aggtttattg accattggtc cccgatttgg tggtgccatt 240

gatgacgctg ctcgatactt caaagacgcg tgtgacagga atctcacacc ttatgaattt 300

gttgagggaa tgaagaaaaa gggaatccga gtccccggga ttggacacag gatcaagagc 360

agagacaaca agagacaaaa 380

<210> 15022
<211> 366
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-B6

<400> 15022

agaatatata tttggaagtt ttctctgctt ttttgttttc gtttgataga atgggaacag 60

ttctcgattc gcattttctg gctctcactg ctattgtcac tgtgatttac caagttcata 120

ttcttcgtaa tcacggctct tttcaaattt gatcaagtca ctgactttgc tggtagcaca 180

aacttcgtta tacttgctgt gttaacactt gttctcaaag cctcttggca ttttcgacag 240

atagtattga ctttgctagt tgtggtatgg ggtcttcgct tggggatttt ccttctaatg 300

aggatctgca atgggggggaa natngtccct tgatgaacaa cgtggaaata tagtgagact 360

aatcat 366

<210> 15023
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-B9

<400> 15023

ttaccgcncc gtagccgtaa naccggnaaa ggcattcccg gctcgacnca cgcgtncgct 60

aaatttgaag atgagaactt caagttgaag cacactggtc cagggatttt gtctatggct 120

aactctggtc ccaacactaa tggttctcag ttcttcatct gcacagagaa gacttcgtgg 180

cttgatggga aacatgttgt tttcgggaaa gttgttgatg gatacaatgt ggtcaaggca 240

atggaggatg ttggctctga catgggaaat ccttctgaac gagttgtgat tgaagattgt 300

ggtgagctca agaacccaag ttcataagtt cttaaaacat tgggtgggtt gatcttgaca 360

ggttattcta tcatatgctg tgaagcagag acagcatctt aancgtt 407

<210> 15024
<211> 346
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-C10

<400> 15024

cgtgggcana agttcaccgt tacaaccgat ggtccaatta atactgctgc tggcttgcag 60

tcacgcgttg aatcactcct gcgcaaatct aacagtgaat tcaccgtggt tatatcacag 120

atgaatggnc aagaccatgc atcacgatcc catgtattta ctgttggaaa ggcgaggata 180

aagctgtccc gaggatggat cacaaaggct agaagaaata taatcaaacc tccatgcagc 240

tctgtggagt gagaggcaat gctaacgttc ctgcaaaggg catttgttct gggcacctta 300

naaaggggtc taacttcctt actaactttc gagtcanagc aagaaa 346

<210> 15025
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-C12

<400> 15025

nttacatgcn cntacagncc canataccgg anaggcattc cggnntcgac acacgcgtan 60

gaagagactc tcgccgtcta atgggaagct gttggtctga tggctcttac gctggtggag 120

gaatggtcgg tgttggtggt ggggctaatt cctccgccgc cactcctaac gacgccgttg 180

actactatct caagtctcgt ggctacaatg gcctcttttc tcagatcgag ttatctttct 240

ctgcttccaa tttgcgagac cgggacgtga tttcaaagag tgatgcaatg gtggttgttt 300

atacaaaagg aagagatgga acacttgctg aattgtttcg tagtgaagtt gttttgaatt 360

ctttgaatcc taaatggatt aagaatttta ctattggtta tcag 404

<210> 15026
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-C2

<400> 15026

nttttacgcg ncnaggtgnc cgtanaagaa ttanaggctc gacgcncgcg tcaagctcgg 60

aatcaatggc gagtctccga agagtcctgc tcaacgtaac ttcctattgc caacgttctc 120

tcactcaatc gtcgtattct acgtcgggga tgttatcccg atcggtggtc aagcatgcga 180

acaatctcgg tcaaattcaa gctagacatt tcacgacaac gcttatgaaa tcgggaccaa 240

agcatagtgg tacagagcaa ggcgtgaagc gaaacagtgc agatcacaga cgtagattgc 300

tcgcggctag atttgaactg agaagaaagc tatacaaagc gttttgcaaa ngatcaagat 360

cttcccaagc gaaatgcgag acaagaatcg ttataagctc tcgaaattgc cgagaaacag 420

tgcctttgcg agaatcagga aca 443

<210> 15027
<211> 371
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-C7

<400> 15027

anaaaanaan aaatgaagaa acttcttttg atatttctct tttctcttgt cnttctccaa 60

actgcttgtg gattcggatt acgacnacaa ggaaatagaa agcgaagagg gcttatcaac 120

gctttatgat agatggagga gccaccactc cgttcctagg agtctaaatg anagggagaa 180

nagattcaac gttttcagac acaatgtcat gcatgtccac aataccaaca agaagaaccg 240

atcctacaaa nttaagctca acaagtttgc agatttaaca attaatgant tcaagaatgc 300

atacaccggt tccaacatca agcatcacag aatgttgcaa ggaccaaaac gcggctcaaa 360

anagttcatg t 371

<210> 15028
<211> 353
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-081-Q1-E1-D1

<400> 15028

tcctcatctt tttgtaccgc tccgttgcgc ctctctcttc ttcccttcct ctctctagcg 60

gcggagttac attgtcggcc gccggggaaa ccggcgacag tggattctct aaactcttaa 120

actcgctacg tcgattctta aaggattcat cgccgataac ttttatacct ccttcttttc 180

cgataggatc gggactcatt ttgtttccaa caccccggat ccggtgattt agggcgcttt 240

ttgatgctta tcgagtaaag gatttatcga tttagtgatc gtttatggaa ggaggtggtg 300

gttctggtga gcgttcacgg attgcttcga ataccctcga agcttgaagg aga 353

<210> 15029
<211> 348
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-D10

<400> 15029

gaaccggtct gagcaagaga ttaagtttag agatgaacaa gtcatcatca tcttgtgcct 60

cgtgtgcaac ggtggctttg aagtatcaaa ggagagtttc aggttcacaa cgtttgttcc 120

caactcctat cattcactca atgcttgcgg ttgcaacggt ctgcgtttgc gtctgcgttt 180

tcatgcatgc tttcccaatc gtcagacaag ggtctcactt cagttgggga ggtttggatt 240

atggctcaat ctagagaact atactatata aaagtattat aatttattct tttggtttct 300

cgaanacaan aaaataagaa aaagagaaga gactttggta caaataaa 348

<210> 15030
<211> 130
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-D12

<400> 15030

actngatacc attcttcaag tgatnatatc accntctttg cagctcttgc aaancccccа 60

acttcacagt atgtgaacgc ttctcgttgg tacaatcaca ttgatgccct cttgaggatc 120

tcngntgtct 130

<210> 15031
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-A4

<400> 15031

gntggggnnn gnngnaactt taccgtccag gtgccggtna ggaattnacg ggtcgacnca 60

cgcgtcngca aattccctgg agacaaagaa gaggaagatg agctcatgga actacgttgt 120

tacggctcac aaaccgacca gtgtcactca ctcgtgcgtt ggcaacttca caagtcctca 180

agagctcaat ctcattgtcg cgaaatgtac tcgaatcgag atccatttgc ttaccccaca 240

aggacttcag cctatgttgg acgttcctat atatggaaga atcgctactc tggagttgtt 300

ccgaccccat ggcgaagcgc aagacttttt gttcattgca actgagagat acaaattctg 360

tgttcttcaa tgggatcctg agtcctctga gcttattaca agagcaatgg gggatgtttc 420

tgatcgtata ggccgggcaa cagacaatgg tcang 455

<210> 15032
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-G10

<400> 15032

ctcttacgcg gttaggnagc cgtnaaggaa ntcaaaggnt cgacncacgc gtcaagctga 60

aatcccagat ccgaaaaccc aacaatggcg tcagagaaca acggatccag atccgattcc 120

gaatccatca ccgctcccaa agctgattcc accgtcgttg aaccgaggaa gatagctctg 180

atcaccggaa tcaccggcca ggacggatca tacctgacgg agttccttct cggaaaaggc 240

tacgaagttc atggtctgat ccgtcgatca tcgaatttca acacccagcg aatcaaccat 300

atctacatcg atccacacaa tgtcaacaaa gctctgatga aactccacta cgccgatctc 360

accggacgct tcctctctcc gtcgttggga tcgatgttga tcaaaacctg acgaa 415

<210> 15033
<211> 345
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-080-Q1-E1-G11

<400> 15033

aatgaggcca tacgagatct gcttagctcg gatggtacat cactgaggct acgagacgat 60

cctgagaaag ggacagttgt tgaaaaagcc acagaggaaa ctctgcgaga ctggaaccat 120

ctgaaggaac ttctatctat ttgtgaagca cagcgtaaga taggtgaaac ctcattgaat 180

gagagaagtt ccagatctca tcaaatgatc agactgacag ttgaaagctc tgctcgtgag 240

ttcttaggca aagaaaactc caccacccct catggcgagt gtgaatttca tcgatctagc 300

aggaagcgag cgtgcttcac aagctatgtc agctggtaca agact 345

<210> 15034
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-G12

<400> 15034

ttacagnnnt acggcccnaa gatgccggct aggctcgacg cncgcgtcan ggaagaaaca 60

aaagtcattg tggagccnac ggcaaatggg actagctctc ttcaaaagac atcagatgca 120

atcagtggaa aggaagtgca ggagaatgct agtggaaaga nagttgcaag aaggagaaga 180

nagagttgct aaatctcaaa tgattgtaan acagagagaa gatagggcaa atgaaagcga 240

taagattatc angcantagg gaaaagaact ggaagaggca caanagaaga ttgatgctgc 300

tancctcgct gtgaagaaac tagaagacga tgtcagttcg aggataaaag atcttgcttt 360

aagggaacaa gaaactgang tgttgaagat tccatagana cnaanac 407

<210> 15035
<211> 124
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-080-Q1-E1-G3

<400> 15035

aaaagttaaa tttccattat tttgtatagt aaaatggaat ctaaaataat gaatatcaaa 60

atctacggaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg 120

gcgg 124

<210> 15036
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-G6

<400> 15036

ncgtgnccna nacnccggat agnccattcn ggcgtcgaac cacgcgnccg ccaaaatacc 60

atttccatgt taggatcaga aaacanagng ctcnnangtc cgatgatgtc tacctanagc 120

ttctcgtcaa gctttaccgg tttttggtga ggagatctaa cagcaacttc aatgctgtga 180

ttctgaaaag gcttttcatg agcaaagtca acanagctcc tctttcactc tctaggcttg 240

tanagttcat gactggcaag gatgacaaga ttgctgtgtt ggttggaact atcactgatg 300

atttgagagt tcatgagatt cctgccatga aggttactgc cttgaggttt actgaggang 360

gctagggcta ganttganaa agctggtggg gat 393

<210> 15037
<211> 228
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-G7

<400> 15037

gtcgacnnac gcgtccggna agacagagag agagggaggg ntngagagtc aggggctatt 60

tgattcccct ggaaaatttc agatatttgt ttcttcatct tctttcctta tttctctctt 120

tctcgttttt accagatttg tcttacgaac tcaattctca attgataccc anaagtggta 180

gggaagcaan gtactgtntt antttgcntt tgattctatc aanatcag 228

<210> 15038
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-G9

<400> 15038

naantcntac gcgntcnagg tgccggtaca ggaattaacg gntcgacgca cgcgtcaagt 60

cattaccttt cttcttcatc ttcatcttca cgcagcgact tctttgattc nctcttttta 120

ttctcagctc caatttcaac ctgcatttct ctcttctcaa ttttgggttt ctttttttga 180

tatctcattt gatcagatcg acgaagagag gaagaaggtt tgagctgaga gatctttgga 240

ggtagaaaga agatctcaaa aacgatgtcg tttanaggaa ctcagcagaa atgcagggcg 300

tgcgaanaag acagtgtacc ctgtggaagc ttccccagct gatggaatct cttatcacaa 360

ggcttgcttc aaatgctctc actgcaaaag cagacttcaa ctgagcaatt at 412

<210> 15039
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-H10

<400> 15039

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tatccgtttt ccgatttagg gcaccaaatt gaatcaaaat ctccgcttct tcccaattta 120

cgaaacttca cgaaaaatct tcttcggatt cttcttaacc ctttctctca atttttcttc 180

cagagttttc taattgggca ctgtttctct tcttcttctt cttcttcctc cattgtaggc 240

ggtttcgcgt cttgtcaccg aatgatacat tgtctcacgt gagaatgtca gtcagttagt 300

gcaatgtcaa ancttcaatc aactcccaat gggtcaactt cgaaattaac aaaagggtcn 360

ggnaaattgn ttaacggctn ctaatccngg aaaancnggt gca 403

<210> 15040
<211> 187
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-H11

<400> 15040

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acaaaccggt acactagccg agaagatcac gaattcanaa gtggtacaac atctacangg 120

atcacatcac tctcaaagac tacgganatc catgacgggc atggntccat gagctttact 180

acancta 187

<210> 15041
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-H12

<400> 15041

gtacgcgnnc aggtngccgt aaggaattaa gggtccacgc acncgatncn ggnganaagg 60

gacanttcan cacggtcaca gccgatggaa acgaaaaggg tctagcgatg aaaatcggta 120

tcgtcctcca aaactgtcgc atcgttcccg acaagaaact agcggcagag agattaatcg 180

tggagtcata cttgggaagg ccatggaaga aattctctac caccgtgatt atcaactccg 240

agataggaga tgtgattaga ccataaggtt ggaagatttg ggatggggaa agtttccaca 300

agtcatgtag gtacgttgag tacaacaacc gtggaccagg agctatcact aaccgaanag 360

ttaactgggt taagatcgcc aggtctgcag ctgaggtcaa tgactt 406

<210> 15042
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-H4

<400> 15042

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natntccgca nttcaaatcc cgtccctcac aatgaatcat ccgatcaggt tgctgtggat 120

attgattacc accacaatat gttagcttca caccttaagg tgaattcaaa ggaaactatt 180

gtcggctggt attcaactgg tgctggggtt aatggcggta gttcgctgat tcatgatttc 240

tatgctagag aagtacccaa cccaattcac ctaactgtgg atactgggtt tactaatggt 300

gagggtacta tcaaagcttt tgtctcttca aacctctcac tcggtgatcg acaactcgtt 360

gcacattttc aagagattcc tgttgatctc cgcatggt 398

<210> 15043
<211> 318
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-080-Q1-E1-H5

<400> 15043

tacaccgtcg tccagatttt tcaaacgccg acgaagctga tttagtgaat atggaatcta 60

atggatcagt ttcatcgatg gttaacttgg agaagtttct ctgtgagcga ttggtggacc 120

agtcacaacc aatctcggag cgatttagag ctctcttctc tcttcgcaac ttgaaaggcc 180

caggacctcg caacgctcta atccttgcat ccagagactc atctaatttg ttagcacatg 240

aagctgcatt tgcattgggt cagatgcaag atgctgaagc cattcctgct cttgagtcgg 300

ttctaaatga tatgtcct 318

<210> 15044
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-081-Q1-E1-A1

<400> 15044

ttgaggagct tcaccgacgg ctaaaagtgt ttcctgagta caaacttcat ttaccgccaa 60

agcatttcct atcaacaggc gtggacatac ctgttatcca agagcgatgt gtactacttg 120

acgagtatat caagaagctt ttgcagctac aacgaatttc aggatcaatt gaagtttggg 180

acttcctcag tgtggattct cagacttatg cgttctcaag ttccttctca atcattgaga 240

cgctaacagt taaacctgtc aataagacat ctactgtcgc tacaaatata gcaagtatga 300

ctcaggcagc accaggtccg cttcctcgga gggaaaatct gagttctgag aatgggatat 360

cggggtcaaa atatgaggaa taacgttatg 390

<210> 15045
<211> 344
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-A10

<400> 15045

cgataatcac gaggtttccc tcacttcctt tccattgcta aaccaggatt tgcctcctgc 60

atttggaaat ggacgcttct atgattacna attccaaatc cattacttct ccaccctctt 120

tagccttagg gaagtcagga ggaggaggag ttatcagaag ttcactatgt aacttaatga 180

tgccaatcaa agttaanttc ccnanacaaa gaacncanac tctaaaggtt agccagaaga 240

aantcaagan agctactant ggtggtcttg gtgttacatg cagtgntggt gataagattc 300

tcgtancgaa tcgaggtgaa attgcagttc gtgttatcag aacg 344

<210> 15046
<211> 325
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-081-Q1-E1-A11

<400> 15046

gatttttct gtgtcgcaat ctcttcttct tattaattca ttcaaaacag aaaagtacgg 60

gaaaaaggaa ttgagacggt gggtttcgat ggggtcaggt gcatcgaaga atactgagga 120

agatgacgat ggttccaatg gcggaggtgg tcagctctac gtttcactca aaatggaaaa 180

ctctaaggtt gaaggagagc tcactcctca tgtctatggc tctcttcctc tcatcggttc 240

ctgggatcct tccaaagctc ttccgatgca acgtgaatct gcgttaatgt cggagctaag 300

cttcgttgtt cctcctgatc acgaa 325

<210> 15047
<211> 341
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-081-Q1-E1-A12

<400> 15047

tgttcttctt cttctttgca ggatcaatcg gagagttcaa tctcaacaga cgaccatacc 60

ctcgatacag tagctgctcc gctcatcaac gtccatttcg ccgcctttag ccgtcaacgt 120

tctctggttc tgttgccgta caaaattctt aaaggttaat tagataagac ctaaaacggc 180

gacgtgtaag ctgtcgtctt cttgaccttt ttggtgaact cctccttcct ctctatcggc 240

tatcgctcgc tgcgtctctg tgtcttgttg cttggagcaa gctctccagc gctcaagaat 300

agataaaata aaattatgga ttcagatgca tgggaaatta t 341

<210> 15048
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-F9

<400> 15048

nngggggnnn gnngnnaant ntacngntca ggtgccggta caggaattca cggntcgacc 60

cacgcgtcaa gacgaaacta acgatgtacg aagcaatcaa agacaatgat gataatgatc 120

atcaatggcg agagaagaaa gacattgagt ctgctcttca gatttctcgt tcttcctctc 180

ttcctcccga caaggaacga ttagtttccc ttgatgtctt tcgcggtctt accgtcgcat 240

ttatgatact tgtggatgat gttggaggga ttttaccatc tattaatcat tcaccttggg 300

atggtgtcac actagcggnt tttgtcaatg ccctttttct tatttattgt tggtgtctct 360

cttgcctttg cttacaagaa cttgtcatgt aggtttgtcg caanaagaaa agcttttgat 420

tcga 424

<210> 15049
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-081-Q1-E1-A2

<400> 15049

atcgtctcct ttacttcatt cgtcttcttc ctctctttcc cacaagctcc cattgatata 60

gagagagaga tttaaggaag gaatcatggc agggggtgga gctccagcac ccaaagcaga 120

cgaaccacaa ccacatcctc ctaaagatca acttcccaac atttcttatt gcatcaccag 180

tcctcctcct tggcctgaag ctattcttct tggattccaa cattaccttg tgatgcttgg 240

gacaacggtg ctcataccta ctgctcttgt tccccagatg ggaggtggat atgaagagaa 300

ggcaaaggtg atccagacta ttctctttgt tgctggcatc aacacattgc tccaaacact 360

gttcggtact agattgcctg gctg 384

<210> 15050
<211> 439

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-A3

<400> 15050

ctttacgcgn naagtagccg ncangcggta aagggnccac ggcgcgtcng ctctctntca 60

tttcctcttt tcgttgactt actaaagtac tcttgtttca atcttcattc tagagagatt 120

ctgtttcatg gatgctattt tgccagtacc cgttgatggg ttcaagattc gacaccggtt 180

ctggatcttg ttgcaaaccg aggaacaatc ttgaatctgg gacgaccaat cgtttcactt 240

gtttcaacga atctgaatct cagagcaacc cttctccgac cgagtctaag gtatgttcag 300

attaccttcc tgtctttaag tacatcaatg acatgttgat ggaagaagat cttgaaggtc 360

agtcttgtat gttggaagac agtttggctt tacaagccgc agagagatct ttcttcgaag 420

tgcttcaaga tnaaactcc 439

<210> 15051
<211> 349
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-D3

<400> 15051

gaatcactgg tgttagtggt ggtgggttac atagtaagag ctctctgcta ctagtagaag 60

aagaagaaga agattgatta taaagactta agatggctgc ggcgcatttt agtaaggaga 120

gggtcttcag agggtttctg gtttggttct gcttttgggg actgatgtct ctaacatgcg 180

ctgggagact cagtgtttca aggcagaatt ttgaagtgca caaacacttg aatcgattga 240

ataaaccagc cgttaagagc attcagagtc cagatggtga cataatagac tgtgttcaca 300

tatcgaagca accagctttt gatcaccctt tcctcaaaag atnacaaga 349

<210> 15052
<211> 345
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-080-Q1-E1-D4

<400> 15052

aaaaagaaag gaggaagaag tatcgtttcg aaagagggga gtctcaggaa aaaaaggaca 60

gaatttttt ccggtgacag tgtcggtgtc tctgacgctc ctctctgttt tcaatctttc 120

tccgtctctc cctgaatgcc ttcgtccgta ttcaggaaaa ttgcggcgat tcatggttgg 180

aggagcgaat acttaaaggg cacaatggat tcaagcgaag caaaggacac accatcttgt 240

ggctgtatat agatccaagt tgatttgtag gtttttaaaa aaaaatacga aattttgttt 300

tagttgtgta aatatataaa taggagtgcc aaagagtttt ggcat 345

<210> 15053
<211> 344
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-080-Q1-E1-D6

<400> 15053

caaaaggttt tgaacgagtg tgtggaagca gaagcatggc tgcgggagaa gcagcagcag 60

caggacacgc ttcccaagta tgccacaccg gctctcttgt cagctgacgt aaaaagcaag 120

gcagaggcat tggacaagtt ttgcaggcct ataatgacca aaccaaagcc ggcggctaaa 180

gcagaggcac cacaagccaa gggaggtgag caggcggatg agggcaagag tgagccagag 240

caaccagctt ctgccgaagc aatggagact gagaatcccg cggaaggtag tacctaaatg 300

aatgacgaga gcgagatggt gtttgttgta tcgattttgt ttta 344

<210> 15054
<211> 329
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-080-Q1-E1-D7

<400> 15054

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tcgttttacc ggaaagttta ctcggaggat gtgccatata tgtttacact agaatggtca 120

acaagttcaa gattgaagga tgtaatgcac caattccaaa agcatttgga ctatcttcaa 180

gaattttggt ctgtcttgga caatatcgat aaatctctat gtgttgttga tgtcaagcaa 240

ccagctcgtg cctctgctat tcgccggatt gatgctggga atgattgtat catcattgtt 300

catatcgact tcaaagaccc taaatccct 329

<210> 15055
<211> 348
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-080-Q1-E1-E10

<400> 15055

caagatgtgc atgtccataa tgccttgggt aaaattatca tagacagtaa caacaacccc 60

gagcatttcc tgaccaccaa tccttactac gactctaagg ttgtgggtaa gtactgcgag 120

aaacgtgatc ccactctggc tgttgtggca tacagaagag gacaatgtga cgaggaactc 180

atcaatgtca ccaacaagaa ctctttgttc aagttacaag ccaggtacgt agtggagagg 240

atggatggtg acctctggga gaaggttctt acggaagaaa atgaatatag gaggcaactt 300

atagaccaag ttgtgtctac tgctttacca agaaagcaag agcccaga 348

<210> 15056
<211> 325
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-E11

<400> 15056

ttcttcttct tcctcttctt cctcttcctc ttctctaatc tgaatccaaa gcctctctct 60

ttatgacaca agatcgctca gaaatgtctg aagatgacga tgaccaacaa tctccaccgt 120

tggatctacc ctctaccgcc atagctgatc cttgctcatc ttcctcttca ccaaacaaat 180

ctcgtaactg tatctcaaat tctcaaactt tccctgacca tgttctcgaa aacgtacttg 240

agaacgttct tcagttccta gattcaaaga tgtgaccgta acgctgcttc tctagtttgc 300

aaatcttggg tggcgtgttg gaant 325

<210> 15057
<211> 406
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-E12

<400> 15057

cttgtacgcg nncaggtgcc ggtaaggaat tcacgggtcg acncacgcgt cangaattgc 60

tatgatttta ctctgagaat cagaagaaga aatctcggtg agcaaaatcc ctagttttgg 120

gatgatgttt ccacgactac gattgacgaa ggtcttcttc tccccgatca tcgccgggaa 180

atggatcgtc tttgccgacg gtagcagcgg cggcggcgtt ggtagaaatg gctactacgg 240

tggattgtgg tcgtcggccg ttattccttc caatgttggt ttagctgtcg ctgtcaccgt 300

catggccgtg gccgtcgctt tcaccgtcta ctctcgtaga ggaagcattg gatcaccgtg 360

gtcactaagg agaagaaagc gagttcttca acctaaacaa tggaat 406

<210> 15058
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-E6

<400> 15058

ttttaaagnn cntactgncc caannaccgg ttaggcattc cngngtcgac ncacgcgtnc 60

gcagaaaaca aaaaaaacaa tggcggataa gctcactgac gatcagatta cagaatacag 120

ggaatctttc aggttattcg acaagaatgg tgatggttcc attacgaaaa aggagctcgg 180

taccatgatg cgttcaatcg gtgaaaaacc gacaaaagct gatcttcagg acttgatgaa 240

cgaagcggat ttagatggtg atggaaccat cgatttccct gagttcttgt gcgtaatggc 300

taagaatcaa ggtcatgatc aagcgccgcg tcacactaaa aaaacaatgg gcggataaag 360

ctcactgacg attcagattc agaagtacaa gggaatcctt tcaggttat 409

<210> 15059
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-E8

<400> 15059

tttaaaggcc gtacngnccc aaataccggn taggnattcc ggngtcgana cacgcgnccg 60

acttgcttca tcttcattcg tcatgatttc cctcttttt tactttacca atttcttgaa 120

ttcttaaacc caaagacaaa gcctttcgat ttcctataga tactttcaga tgtctaagaa 180

ctcaaacgtt gaagagaatg gaggagcaaa gccaatctgt gaagctttga ggagattcaa 240

aaggtcgagg cttgtgttcg agccgtcttt aggagtgttg gggtttttct tggttggggt 300

ctgtttggtt tgcagttttt tcttctttga ttacagaagc gttgctaaaa gctatggcct 360

ttcggataaa tctgagngat tcgtntggct cnaggttgng 400

<210> 15060
<211> 311
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-080-Q1-E1-E9

<400> 15060

caacactaaa cctgaaacaa acgtaaatcc gccgcaacaa cccagttttt tccgacggcg 60

tacaagcttc ctccgccgta acgccgtcgt ttaataccaa gaagcttgat taggtttccg 120

tagtgtgtga ttttttttaag gttctgaaca ctgatgtcaa acccattgaa agagtcaaga 180

gaggatattg caaattctac tcctcacatg agggataatg agtatgttcg gctagttgtg 240

gctcatgaag cctccccagc tgaaaccgtg ttgtctctat cgcaatcaga ggtgcagagt 300

aagaaattta t 311

<210> 15061
<211> 208
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-F10

<400> 15061

gntcatagtg cattctngan ntttgcatcg gttgcaaatt gtggattacg ggtaccgacn 60

cccctggtcc atgagcaatg ttcccggtcc aacctctatg cctctagttg gtcacttgcc 120

cttgatggcg tagctttggg cctgatgtcg gtctccgttc ctgctaatnc actattgncc 180

aagttncata gttcanacgg ngaaggga 208

<210> 15062
<211> 338
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-F11

<400> 15062

aacgcaaaaa tcagtttctc tttgagtaag tgtttattac aattaaacta actcaggcaa 60

gtctatgatc atggcttctt ctgctgctgc atcgatctct atgataantc taaggaacct 120

ctctcgcaat catcaatctc accaaagcac ttttctcggt ttctctagat ccttccataa 180

ccaaaggatc tcatctaaca gtccaggtct ctccacacga gcaagattca ccacttcctc 240

cactggaggt ttcttcagaa ccatttgcag cagcagtagc aatgactact ccagaccaac 300

taagatccan gagcttaacg tctacgagtt caacgaag 338

<210> 15063
<211> 331
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-F12

<400> 15063

ggaggatttc atcatttcac caattccatc tctccttttg ggtcaaaccn aaacccaaat 60

cnaaaccctg nangtgtcnc tactggattc gtgtctcctc ctttacccgt tgactcttct 120

ccggntgatt cgtcagcggc ggcggcngga gctttggttg ctcctccttc aggtgacacg 180

tntgtgaagc ggaanagagg acggcctaga aaatatggat aagatggtgg ttcngtttcg 240

ttggcattgt ctccntctat ctccaacgtt tccccgaact ctaacaaacg tggccgtgga 300

agacctcctg gctccggcaa naancaacgg g 331

<210> 15064
<211> 422
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-F2

<400> 15064

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agccacgcgt ccgctttcaa acaaataaac tcagaaaaaa tggccgaaac cgaaacggag 120

tcgatcacca cctcttctcc accgccgatc tcagaaaccg aaaactccac cacattacca 180

acaacggaga cggagaagaa tcccaatccg gtaaccattt ccctcagaat ctggccaccg 240

actcaaaaaa ctcgcgacgc cgtgattaac cgtctgatcg aaacactgtc aaccgaatca 300

atcctctcca agagattcgg atctcttgaa tccgaagaag cttcctccgt cgcgaaatca 360

atcgaagacg aagcttacgc catcgcttct gccaccgtat tcggtgatga cgacggggat 420

ng 422

<210> 15065
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-F4

<400> 15065

tttgtacggg nncaggtgcc gganaggaat taacgggtcg anccacgcgt ncgcccaagc 60

gtccgattgt attttctctt ttagggattg ttttttaac aatttttgcc ttgccataag 120

caatacaacc atggcaagga tctctctgtt gttctcatta gcctttgttt tagccctcgg 180

ctcagtgttc ctttccgttt ccggtcacgc tcctcccgtg acaccgagaa aatcagcatg 240

tccaaaaaca gtatccgaac tccagacctt acctttttacc gaaatcactg agatcctaaa 300

ccgaaaagag cggtctgccc cgaaaacccc tgagttcaag gcaatgttca caatgtgcaa 360

aggctacgtg acatacctcg agagcctcta caaagtttga 400

<210> 15066
<211> 337
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-F6

<400> 15066

tcaaatgttg agttcttgac tcaggtctct agggtttcca agctgaagca cgataatttt 60

gttgagctct tcggttattg tgttgaaggg aatttccgca ttcttgcgta tgagtttgct 120

actatgggat ctttacatga catcttacac gggaggaaag gagtccaagg agcacaanca 180

ggtcctacgc ttgactggat ccaacgggtc agaatagcag ttgatgcagc tagaggactt 240

gagtatttgc atgagaaagt tcaacctgca gtaatacaca gagatattcg atctagcaat 300

gtgcttctct ttgaagattt taaaagccaa gatcgct 337

<210> 15067
<211> 65
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-F7

<400> 15067

cggtcaatac gtcggngatt ctccgttana gcttgaacgt atcgatgtca atttcaacga 60

ancta 65

<210> 15068
<211> 330
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-F8

<400> 15068

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tgcaatcana ttttctgtcg gaagatattg aaatcagaaa ccgggaaaaa tgacttcgtt 120

tcttagtttc tccgccattt cagctcatcc acctactttt tccggcgctt catttcgtcc 180

tcgctctttc tctccccgan tgttcaagtc ttgtgttaag tgcacttatg ctgaagctgg 240

attaagcagc ncttcatggt cagcccctat tgacattgtg gcagatgtca aatccgaaag 300

ggttgtagtt cttggtggga atggtttcgt 330

<210> 15069
<211> 345
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-D2

<400> 15069

anagagagaa gatggcgagt ggcctcgagg atatcgtgaa cgagaatgtt gatttggaga 60

aaatacctat tgaggaagtg ttccagcagt tgaaatgcag cagagaaggt ttatctggag 120

cagaaggaga aaacagactc cagatctttg gccccaacaa actcgaggag aagaaggaaa 180

gcaagttact caagttcttg ggttttatgt ggaaccctct ctcttgggtc atggaagcag 240

ctgcaatcat ggctattgcc ttggctaatg gcggtggaaa gccaccggat tggcaagatt 300

ttgtcggtat cgtttgtctt ttggttatca attcaactat cagtt 345

<210> 15070
<211> 306
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-C2

<400> 15070

ctaaaacatc cttctttact atatatatct ttcgctccac tacgaaggtt attttcgtaa 60

ttcgacacaa ttccttacag agaataagcg aacagatcaa caactactct gcncttacag 120

gcgacgacgt caacaacaac ccanaatacc aaaaaccctc aaaagtctca aacaaaactc 180

angacccaac aattaaagaa acaacatttc antatacaga tttacttcct tttacagntt 240

ttcctaagan aaccggnagt tganacaaac annnccangn nggacggtta ccttttttcc 300

agtnga 306

<210> 15071
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-078-Q1-E1-C4

<400> 15071

atcgatcnta tcgcaggaag gtaagnagta agaagaccan aagggactgc tcctaagtcc 60

gatgatgtct acctaaagct tctcgtcaag ctttaccggt ttttggtgag gagatctaac 120

agcaacttca atgctgtgat tctgaaaagg cttttcatga gcaaagtcaa caaagctcct 180

ctttcactct ctangcttgt agagttcatg actggcaaag gatgacaata ttgctgtgtt 240

gggntggaac tatcactgat gatttgagag ttcatgagat tcctggccat gaaggttact 300

gcctttgagg tttacnggng aagggctang gctacgaant tgagaaaact gggtggagan 360

gtgcttaaac cttttgacca nccttttgctc tcanangctc c 401

<210> 15072
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-C5

<400> 15072

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acaaaaacaa cattgtacgt cggatccaaa aaacgcgcgt tatataaacg cttaatttct 120

ccaggattct tcttctgctt ccgccattgc tcgaaaatcg cgtcttctga caatgtgctg 180

aaactgagtc atcgtccgag ttagcaaagt gaaacttcga agtttctctt acactaatct 240

caggtttggg attttgtaan gaaaccgcgt ttacaaaatg ttcaagttga agcaatggtt 300

gatttatttg ggtgtgttcg ttagtaataa tgaacacaga aggactgttt ggtcaatatt 360

acatttgttc gaaacgcaat cgcctaaagg ggcc 394

<210> 15073
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-C8

<400> 15073

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tcacgacatc tcaaaccttc taggccttct ttttcctgct ctgcttctca accttcacaa 120

aacaacatta aggtaatcat aaatggagct gctaaggaaa taggtagagc ggctgtggtg 180

gctgtgacta aggctagggg aatggagtta gctggtgctg tcgataatca ttttgttggc 240

gaagatattg gcttgctgtg tgacatggag gagcctttag agatacctgt agtgagtgat 300

ctaacaatgg tgttaggctc aatatctcag ggaaaagaag tcggagttgt gatcgacttt 360

acagaccatc aacagtgtat gnga 384

<210> 15074
<211> 368
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-C9

<400> 15074

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ccagatccat ctctccgtca caatcttcca tctaccgtca ccggaaccgg cgagttagtc 120

gtcgggattc cagatctgtt tgtctacgtc ttccttctgt ctctgtgttc atcagagtac 180

caattcgctc gattgttgct gcatttcgcg aattgtatta ggtttatagc gtctatgaac 240

tcctgttttc gctcgatttg agtaacctag gtatttctct acgttgattg tttggatttg 300

aagaaaangc gcanagtatg agtagaaatt tcggaaagtt tcatgaagat ttgagggatt 360

gagttatg 368

<210> 15075
<211> 93
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-D1

<400> 15075

gannaatgtc cnatgacgcc attgagaagc ctctccaagc ttggctcaga actgccggcc 60

gtttctcgaa taattccttc angggattag nta 93

<210> 15076
<211> 129
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-D10

<400> 15076

aacntccgnt tcggttaaat ggagtctaaa gagttggtag tcgaagaang ctttgcaatt 60

gccggattat cctgataaga aggatgttga ttcggttnta aaagangctt tcttcatttc 120

ctcctaang 129

<210> 15077
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-D11

<400> 15077

gcntcttcta aagttcggac acttaggatt tatcgccgga gttttgaaca tggatgggat 60

tcttgcagct gttccatctg cagtgtgtgt ctctctacgc atttcttgtc ggaatctgga 120

taatgctgaa tccatctatc attttcccgg caaatccttg aatcgagttt cagtgcttca 180

aactgggaac tacgtctctc gtaaaggcaa ttcgttgctt aaaaaccgac attgtggtga 240

aatttcncgt gtgatcgtaa aatccgccgc ttcttcagtt gggaaatgca gaggactacg 300

ctgaagaaac ggctacaagt gtaaaagttt aagagatcag tgacattacc gggttgttct 360

agcccgttgt cnttgctcgg cactggggtt taggganaa 399

<210> 15078
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-D6

<400> 15078

tccctgcgac gcacccaacc tccgtctctc tctctctcan atcggcggcc atctccgtcg 60

agtaattgaa atctctctca gccgttggat tcgaattccg ccgcatcttc atatacctcg 120

tttcaatcct gcggaaccct agttgctctg aattgtggtt tgctactgtg ataagttctt 180

cagtggtana ttaggaagca ccaccaatgg agattgtgta agacatattc attacagctc 240

tcttttaagg attatggggt ctgtttgctg tgtggctgca aaggacagaa atgttcccag 300

tggagctatt gataattcag tgtgttcacc atcgtggagt tttcgacgcg gacaacaang 360

aggcnntgta ngctgatgag attannagat tcatctang 399

<210> 15079
<211> 326
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-D7

<400> 15079

cttccgtggt gtatgttgaa gatgcctgaa gaaagattca ccaaactcat atcaacacta 60

aaacctcatc acacttcttc actcggtgaa tctttcttca ggcctcttca taacagaaaa 120

aaaaaatgat gtcttacgtt gctaacttgg tcatcaagag ttttgaccgt gcttccgtgg 180

tgtatgttga agatgtggtg gatagctctc gagcgacatg tgttgagaat ggtggngatg 240

acgatgacag tggctatgat tatgctcctg ctgcgtgatt gtctcctatt agtataatgt 300

aatttagaag aaanaaagaa aaaaag 326

<210> 15080
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-078-Q1-E1-D9

<400> 15080

gcccacgcgt ccgtgtctct cttcttcccg cggagctttc agtttttgtt tggtattgct 60

tggtgtgggg aagattagat agtgtgaaga atggcagtag ctacacattg tttcacttca 120

ccttgtcatg accgtattcg atttttctca agtgatgatg gtattggtag gcttggcatt 180

acaagaaaga ggatcaatgg cactttcttg ctcaagattt tacctccaat ccaaagtgct 240

gatctcaaga acaactggtg ggagatcctc acgtccttta tctgcattca ggtcaggatt 300

ctctaagggg atatttgaca ttgtgccatt accatcaaag aatgagctga aagagctgac 360

cgctccgctg ttgctaaaac tcgtggggtg ttttaact 398

<210> 15081
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-E11

<400> 15081

gagtcagaat atcatcagcc gcctctttca cttcaaccct ccttaaacct catctctttc 60

ctactccgcc gctctctccg tcgtctctcc cgttactcca tttctctcga cccctccagg 120

tgaaaatggc tgggaagtcg aacaaatcga aggccaagag agcggctcag agcactacca 180

ccaattccac tactgatgtt aaatccgatg ctcctgctcc tcctgttgct gctactgttc 240

ctgctactgc tccggttact gctgctgctg ctccggttgc tactgctgct gctccggtta 300

ctgctcccga taatggcacc ctcactgctg ttgactctgc ggtgcctgaa agccaatgaa 360

gttgctccta cgattcctaa nggtgacnaa agtga 395

<210> 15082
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-E6

<400> 15082

gcggagagag gccgtgttct tgacggcaat gctggtggtc gaaaccagcg tcgtcggaat 60

aagtactttg tttaaatttg caacttcaaa gggactcaac atttatcctt tcctcggcta 120

ttcttatctt cttgcttctc ttcttcttct tccttctctt ttcttcacta acaggtcaag 180

ttcacttcct ccactaagtg tctcaatacn ttcaaaaatt gggncttctt ggatttctag 240

gatcaatgta ngtgatcaca ggatacatac gcatcgaata cagcagccca accttangcc 300

tccgccataa acaatatcac tcctgctctt accttcatcc tcgccattan cttcanaatg 360

ggaaaaagta tcnttcaaag g 381

<210> 15083
<211> 193
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-E8

<400> 15083

atggnttgaa gattcagaac aannacngtg ctgtgaatac tccgcgtgcc ctcggtgaca 60

tcggggaatc ttgtttctgt tccgggagtt caaggaggaa aggntcaacc tccgattant 120

cgacccatta ctcgangttt ccgtgcccag ttattaggcg aatgcccaac tcgagngaaa 180

gccaatcaan gga 193

<210> 15084
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-F1

<400> 15084

tcttgtggca ttatcgggtg aagaagaagc caccggtnag atatacaaaa acactatttt 60

ctcagctgtt cctcctttgt tccctantcc accacctcca ccaggcacca tggaaacctt 120

gagaaagcta nacttgtgtg attctgtcgc tgctgccaaa aaaaatgaat gaggtaaaaa 180

ggatttgggt gtgagaccat gaagattaga agctaaacac aagtcagcca nanccaaact 240

acnaangatt tcatttggcn ttactatata caaacacggg gtgggttact ttaccacaca 300

gcattgtcnt tcntttcntt ttttgggttg ctgttttgtt cttgtgagat atcatatnta 360

tctatgcgtt ttactccngt atatgtttga taccaaang 399

<210> 15085
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-078-Q1-E1-F11

<400> 15085

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ccagctttcg tgttcgatgg aagaaacatt atgaatctgc aaaagctaag ggagattggt 120

ttcattgttt actccattgg taagcctctc gacgactggc tcaaggacat gcctgccgtt 180

gcctaatgat gttcattgct gactctttcg tcctccatca tttgtgcttt tcttcttctt 240

gtggtttgtc tttaagactt gttatatttc ttacaatatg tttgttatgt tctctggtgt 300

gtgttttgtt ttttttggta ttactttcat attttttttgg tcgaagagga cttgtattcg 360

acaatgtcgc ttcaattttg ttgtttccc 389

<210> 15086
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-F2

<400> 15086

ggaatcaaac aatggtgttt gtgaagtcca ccaagtcgaa tgcttacttc aagaggtacc 60

aagtgaagtt caggagaaga agagatggaa agactgacta cagggcaang atccgtctta 120

tcaaccaaga caagaacaag tacaatactc ctaagtatcg ttttgttgtc cggtttacca 180

acaagagaca tagtggcaca gattgtatct gcaagcattg ctggtgacat tgttaaagct 240

tctgcttang cacatgaact gcctcaagta tggtctcact gttggtctta caaactatgc 300

tgcancttac tgtactgggc cttcttttgg ctcncccgtg ttttaaagat gttggaaatg 360

gatgacgagt atgaagggaa acgttgaagg ccactggaga aagactt 407

<210> 15087
<211> 361
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-F5

<400> 15087

gcacacgtct ttctccgaaa ctcgtctgan agaggctctg agattcgatg tcgttcgagg 60

aagaanaaga ggaggaaaca ttcgagcata cacttctcgt ggtgcgtgag gtctccgttt 120

acaagatccc gccgcgaacc acatccggcg gatacaagtg cggcgaatgg cttcaatccg 180

ataangatct ggtctggtag actccgcgtc gtatcgtgca aggatcnatg cgagatccgc 240

ctcgaggatt cnaattccgg tgatnttttc gcaacttgtt ttgtggatcc tgaacgtana 300

gagaactcng tatagccgtc tctcanattc nnctangtat ttcgttctca nagnttgntg 360

a 361

<210> 15088
<211> 52
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-F7

<400> 15088

tnggctcccg tgggcctttg tgttgcagnn acttgttgtc attcttaatg ac 52

<210> 15089
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-C12

<400> 15089

ttggtagcct tgnaagcccn aaacgngcaa ncccgggncc ccgggtcgat ccacgnntcc 60

gnngnnanat tgaantcggc ctttttcccg acaatctgag tttctcaggc agagaagaca 120

gagattttca ccgtaagggc aaaaaacgaa aaactctgtc tctctgtttc tgtttcgtcc 180

ttccttggct ttgatttctt acaccaaaag agacatcttt aaagaatctc acattgttcc 240

ctattgcttg tctcacaaga gaatccttga tctagggttc ttgcttccct cccctgtttt 300

tttctttaaa ttcctcctct gttttctttt tgttctcgtc ggagtaagaa agagatggag 360

ctaggagata cgacgtcggt gattccagac tcgttcatgg gatacagaga cgacntaaac 420

aatgcaaatg tcaatggttt tggg 444

<210> 15090

<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-077-Q1-E1-G8

<400> 15090

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aacgaatttg catcgccaat tgccgtgaat gtgtgttctt tttgggagtc aatcagcgac 120

ctcttatagt tggttataac cacaaactac aggttgctcc atataataca ttttactcac 180

acttggagga gcacataacc gaggtaggaa ttcagccaac tatcaacaaa tggaacgaat 240

ccttggcgct cggagcaatt gatccgcatg actcactatc acatccgact ggtgcctctg 300

ataaacaagc tgaaccggct tcttgtgtgg accctgacca gttcactacc tttttgatcc 360

caaactgggt ttgcgggtga ggcgattggt tccacgaaag acaatccatt tccattgcca 420

gatgcatat 429

<210> 15091
<211> 90
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-H11

<400> 15091

cntaggaaca acttctctcc ctcctgttaa tcccgccgtt tcttacattt tcntcngttt 60

ttttcccggg aaacagaagg naaatttttcg 90

<210> 15092
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-H2

<400> 15092

aaggatctcc ttcaaacgct cggaagtttc cgctttggat tcctgtcacc ggcgatttcg 60

tgggatgata acgacgccga gctatatttc gtgactgaag caaagtgatg attcttcgat 120

tgaaagacca aacgctcatc aaaatcaatt caactcgttc gtacttatct tccttagttt 180

tccgacgaga ttctcactcg caggctcgga caaaacccga tcacgaccgc cggagaagag 240

ggatacnana nggatgtgag aatcgatgag aataagggac acgaatggga ntgtttctgn 300

gcaanganca aagggcaaca acttcttacc aacacnagaa gcctccgact ccaattgntc 360

ngangctccg atatcaangg cggactggan acaagtccct gggagatntg ggacctggga 420

ctggggnaat ctcaacgatn gnaacttctt tganng 456

<210> 15093
<211> 286
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-H4

<400> 15093

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gaaatggcgt acgcttctcg ttttctctcc agatctaagc agctacaggg gggtctggtc 120

attttgcagc agcaacatgc tattccagtc cnagcttttg ctaaagaagc tgctcgtcca 180

acctttaaag gagatgagat gttgaagggt gtctttttg atancaanga acannnttcc 240

aaggnctgct gttganantc tcccgttnag ggaaaaagnt naccct 286

<210> 15094
<211> 295
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-H6

<400> 15094

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cgcccaagtt tcgacctcag acgcattgct cgtggtccaa gcagctgagc tagccggcgt 120

aagccacgtg gcgatagtct acgacggcac catcagcggg tccacataca acgtgctcga 180

ctggattact tcgnttttcg gnaatcnttt cgcaagaatc tcaggccatt gantatctcn 240

gaccncaatc gngaaantac ctcanaccgg ngttgcnnta nacactcata angac 295

<210> 15095
<211> 148
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-H8

<400> 15095

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cgtcgctgaa tttggngtac aaagcaattg gtgaantggg gtttaactga antgtttggg 120

ggatnaaaaa ccttcaaatt ggtgcngg 148

<210> 15096
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-077-Q1-E1-H9

<400> 15096

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gtctcgacga gagaatctat gtcaagctcc ggtcagaccg cgaacttcgc ggcaagcttc 180

acgcgtttga tcagcatttg aatatgattc tgggtgatgt tgaagaaact atcactacag 240

tagaaatcga tgacgagaca tatgaagaga ttgttcggac tacaaagcgg acgattgagt 300

ttctattcgt gagaggagat ggagtgatat tgggtgtctc caccgctgag gacagcagcc 360

tgagttcaaa ctcaaatctt ttgtgtcc 388

<210> 15097
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-A1

<400> 15097

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gatcaaggct ttcatgctcg ctaccagaga tgctataacc caatcatcaa acttcacggg 120

taaaaccgaa ggaaacttgg gttcgggcat ctcgccaaac aacaaagccg ttcttgatta 180

ctgcaagaaa gttttcatgt acgcgcttga ggatctcagc accattgttg aggaaatggg 240

tgaagatctt aaccagatcg ggagcaaaat cggccagcct aaacaanggg taanccggtg 300

gttannaaat accaaaacct gantggcctt gaccagntcn nagnaagatg anttttagaa 360

agaccantnt ggnaaggnaa ttncaagctc caanagtttn cccncg 406

<210> 15098
<211> 385
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-078-Q1-E1-A10

<400> 15098

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ttttttgctt tgtttctgtg ctacgatttg tcaaaaaaaa gaaacccaaa tcaaaagctt 120

cgaaatttca taagatttct ttgtttttct gaagatccaa ggcacacaaa aaaacagctt 180

tttttgtttc ttcaatcaag gattttccag ggttttgata accccatggg ttcagggttc 240

tctctgtttc aaaagaattt atccgtcctt gttatgggag atcgaagatc tgttgcagcc 300

tgggtttagg agatttgcct gaaagttgtg tggctttgat tctccagaat ttggatcccg 360

ttgagatctg tagattctcc aagcc 385

<210> 15099
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-A4

<400> 15099

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gaaacaatca gtctcataaa gtggcaaaga tggttgcaga acgatacaca gtcgatttga 120

ataagccact tgtgtttcag gttggtcatc ttggcgaaga atatcaggaa tggattcatc 180

aacctattgt atgcgttgag ggtcctcgtt ttttcgaaag tgatttttgg gagtttttga 240

ctcgcacggt ttggtgggca ntcccaacaa tctgggcttc cagttgtttg ctacgttctt 300

tcaatatcgg cgaagtaagg gacttacgtt tccccagatc ggtttaataa gttgcttttg 360

gngtactcac gtggacactg ctcgaagtac acgcttcatc 400

<210> 15100
<211> 363
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-A7

<400> 15100

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caaagctgga aaagaggttc tgggtaacgc ttccaaggtt gtcctgacaa aggaaatgac 120

aacaattgtg ggtgatggga ccacacaaga agcagtgaac aagcgtgttg tacagattag 180

gaatcttatt gagcaagcgg agcaagacta cgagaaggaa aaattaaatg agagaattgc 240

gaagctctct ggtggagttg ctgtaattca ngttggagct caaactgaga caaganctca 300

aagaaaagna actgaaaatg ggaaatgccc taatggcaaa aanggctgct gttnaaggaa 360

ggt 363

<210> 15101
<211> 119
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-A8

<400> 15101

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tccggcagaa ggtaatcttt tcatcaaggt cagtaaagat cgagaaagtc ngaangcga 119

<210> 15102
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-078-Q1-E1-B2

<400> 15102

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aaacgcaaag atgctactga gaaggccaaa aagtcgttga gcattaatga gttcttgaag 120

ccggctgatg gaaagaggta caacgggaga ggtggaggct cccgcggaag aggaggtcgc 180

ggtggtcgtg gtgaangagg aaaccaaagg tatgcanaag aagctgcagc tccggcgatt 240

ggagacacag ctcagttccc ttcgttgggc tagtaaagac ccctgggtcc ttcagcctcg 300

ctatctctgt ctttcgtttc tctttgggtt gaattttgtt agttttanaa ntttttgtta 360

cacnttctga aggtcttttc tgcgaaacta ttacnttttt t 401

<210> 15103
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-B3

<400> 15103

atctaaccca tagtttttct ttatatataa tgtgaatatg gaaaacacaa gacttcatct 60

tatattcatc aatcttattc ttattttctc tctgcagttt tcaaaaactt tctcactgtt 120

atctgcgtct ctttttgga tcaatggcaa acgctgaacg tatgataacg cgcgtccaca 180

gccaacgtga gcgtttgaac gaaacgcttg tttctgagag aaacgaagtc cttgccttgc 240

tttccagggt tgaagccaaa ggtaaaggta ttttacaaca aaancagatn attgntgaat 300

tcgaagcttt gcccggacaa acccgggagg aaaacttgna anggggngcc tttccttgac 360

cttctcaaat ccactcaagg aagcaattgg ngttgcccac c 401

<210> 15104
<211> 581
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-B4

<400> 15104

ggtatgcctg cgccgtaccg aanccgnaaa ttcccggggt ccaaccaacc cntncnggaa 60

agaatcctgg natttgangg caattgacaa ncaaaatnaa nggaactggt cnaanantta 120

tgggcaattt gaatgttacc gaagtcctag aaaanggggn gaaaagccga attaattaag 180

tgggatttga caaatgggtt cccctcctgg tttgggtgga tatcctacag ggaatttgtt 240

gaaaatcaaa agtcaaatgg gctcccttat gggtgcattt tgttagaaga tagcgcctgg 300

ggcggggaaa ggtccttttg cccaatatca agttgagcct tgaagttgct gaaatggcct 360

ttgcaaaaac caagaaggga attgcctata aaaagttatg gaagaacccg caatttggac 420

cgttcaaaat ttaaattaag anggtaaaaa ttgaaaaaag gggtcaagct tccgaacttt 480

aagttgttac ggggctttaa ctttccccga aatcaagagg aacaagaaca aaaggaccaa 540

gtccangaaa accaaacaan ccgggcaagg ntgaattcta c 581

<210> 15105
<211> 367
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-078-Q1-E1-B7

<400> 15105

aacttgaaca cgaagttaat gaaactatca ggaagtgtga tttgtagagt tgtatttggt 60

atcaatctta aaggaagtaa acttgagaat ctttatgagg aagttattca aggaaccatg 120

gaggtggtgg ggagttttgc agcagcagat tacttcccga tcattggtag aatcatcgat 180

aggatcacag ggttacatag caaatgtgag aagattttca aggcaatgga tgcatttttt 240

gatcaatcta taaagcatca tctagaagat gagagtatta aggatgatat cattgacttg 300

ctcctcaaga tggaaagggg agagattgaa cttggggagt ttcaacttac tcgagacaac 360

accaaag 367

<210> 15106
<211> 383
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-078-Q1-E1-B8

<400> 15106

aaacccagct ctcttagctc tcacgcctcg tcaattgttg acctgtagga tagatatggg 60

caacgagagc aaaacctcgg ctttggaatc ggagcagaag gctcttcttc tccgttcggt 120

agctcaatac ttggaacgat gtggtttttc caaatgcttc aagaaattgc tctccgaagc 180

tgaaatcgag aagaaggaat tgaacactag tttacctgat ttagaggaaa ttttcagcga 240

gtttttgaac aagagagatc atgaagctgc agctaatgga aataccgagg cgaatgtagt 300

ggaagctgta gagaatgtaa agaaggataa gaagaagaag aagaacaagg aaacaaaggt 360

ggaggtaact gaggaagaga agg 383

<210> 15107
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-C10

<400> 15107

gagaagaaga gaataaacaa aagaagaaaa aaaactaata aaacaaaatc aataaaaaga 60

gaataaaaaa tggtgggttc tcacaaagca agcggagtgc ttcttgtgct actagtggtt 120

atggccacca caatagcaaa cgggacaccg gttgtcgata aagcaaaaaa tgcagctaca 180

gcagttgaag gatacagcac anaatgcagc tacagcantt ggcggtgcag ctgcatcagt 240

tggtgctaaa gtatcangtg tcaaaccaan gcgcancaag tttgatgtta aagcatcagg 300

agccaaaggg agacagcaaa antgatgatt agtgcgggca tttgcngctg catggaaang 360

aangccttgt gcangcangg gnngcncaat tntcagt 397

<210> 15108
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-G6

<400> 15108

tcttttgatt ctctcgctct ctctttcttc atcgcctctt cgagcttcga tggttgggaa 60

tattctggtg accggtggtg ctggttacat cggaagtcac acggttcttc agcttcttct 120

cggaggctat aacaccgtcg ttatagacaa cctcgacaat tcctctctcg tttcgatcca 180

acgcgtcaag gatctcgccg gagatcatgg acaaaatctc accgtccacc aggtggacct 240

tcgcgataaa cccgcacttg agaaggtttc tccgaaacaa agtttgatgc aataatgcat 300

tttgctggat tgaaaacatt tggtgaaagc gtgcgaaaca cttctggtat ataacaataa 360

cntggattgc gacaatnaaa cttttggnag ttaatgggct gcacancgga tgntaaaaag 420

gcntgtattt t 431

<210> 15109
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-C8

<400> 15109

tcttcctcaa aaaaaanana naaaaaaaaa gtttaaaaca aaaactaaaa aaatagaata 60

atggcaagag ttcaactatt gttatgcttc accattctat ttgcatctgt gacccttctt 120

gacctagtat cancacacct gaaatttaag ccatctttgc ctcaaatcga agatccaaag 180

acggtgaagg atgtagagcc ttacaccgtt aaagtagtaa tggtctttgt ggccgacctc 240

gagaaggaat gtcccaagac aaacaagttc aaggccttct ttgagaaact tagaggattc 300

gccaagtatg tttgcccaat aagaaggatt ggccaagtag attacgaccg ggacatgaag 360

gccaaagccg ggggtatctt caaggccata tcttcttttg cgattggaaa gattagggag 420

gaaatt 426

<210> 15110
<211> 373
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-C9

<400> 15110

tctcttggga accaatcaag catggatcgt gtggtcttct tcttcctcat cgcagctacg 60

ttactangca ggttctctcg gatctaccgt catctccggc gaggttaccg acggtttcgt 120

taacccgatc aggcaagtcg tcccggagga naacgatgaa caactcntca angcagaaca 180

tnacttcact ctantcaaat ccaagtacga naagacttac gcgactcang tagagcacga 240

tcatcggttc cgtgtcttca aagctaacct aagacnagct angcgttaac cagcttctan 300

atncgtcngc cgtccacggc gtcacgcagt tctcaagatc tactccgnaa ngaattcngc 360

cgcanggttt tta 373

<210> 15111
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-D1

<400> 15111

ttaattaact ccggcgattg atcactccgt cttctttgta acacagccgg agaaaaatcg 60

aaagtttcgt ttttttcttc tccttcgtag ctaattcgcc gtcgatttta taattcggca 120

gccatgagct cggttttgca gggttttacg aagtcacttg cnatgacctt tgtatcggag 180

attggtgaca agacgttttt cgctgcagca attttggcta tgcgttatcc tangagactt 240

gtgttggctg gttgtttatc ggctctgatt gttatgacta tcctctctgc tactcttgga 300

tgggctgctc ctaatctgat ctctcgcaaa tggactcatc acataacaac attgttgttc 360

cttgggtttg ggctaaggtc tttgtgggac gggttcaaag aaaggaggan ggggttccga 420

aaaa 424

<210> 15112
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-D3

<400> 15112

aattggctca aaggtacccg ggactaatgt cgttgcgaag cgtagatctt tccccggcaa 60

gttggatggc ggtagcgtgg taccctattt accatattcc aatgggaagg accatcaaag 120

atttgtccac ttgtttcctc acttatcaca ctctttcatc ttctttccaa gatatggagc 180

canaagaaaa tggcggggaa aaggagagga tccggaagga aggagaaggt gtaactttgc 240

ttccttttgg gttagccact tataagatgc aaggcaatgt ttggctctcg gaagacgatc 300

aaggtcaaga tcaagagcga gttctttcgc ttctaagtgt tgcggattct tggctaaaac 360

agctaagagt ccaacaccat gacttcaact acttctcaaa gaatggctca accgttgctg 420

aaacaa 426

<210> 15113
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-D4

<400> 15113

cttccggcga gaaaacaaac gaaagagtga aaaaaaggcg actttttttct tgtcccgggt 60

tataaagatg tcagctttgt gtcctgtctg caatctcacg cttcctctct ccctaatcca 120

aagccatgtg aattcccact tcgaaggacg atgaaatcaa tccacaaatc gaaaccgatc 180

accacttggc tctgcaactc gcttctgatg atcattcttc tgatgatcct tcttcgtctt 240

cctctgcttc atcatctaac aaagttgcct cctttggtcc cagttaacag gnctaaagag 300

tccaattcaa tagngtangg gtcaatgggt ggttttgaat tggtntgctg aaggaactgt 360

ctgggagtca agaactgaaa ttgaagtcga aacctttaga agtgtagtac tagtttacta 420

tcaaggcttt gttgatcant tt 442

<210> 15114
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-D6

<400> 15114

gaatgcagag atccgcgagg gtttgggttc gttcaattta tggaccctgc tgatgctgct 60

gatgcaaaac atcacatgga tggttatctt cttcttggcc gtgagttgac tgtcgtgttt 120

gcacgaagag aacagaaaga aaccgactga aatgagagca agggagcgtg gtggatngaa 180

gatttcgggg atanaangac gtactccacc tcgttactac tctcgctctc gttctcctcn 240

ccctcgacgt gggtagatct cggtcacgga gcggtgacta ntattctcct ccccctanaa 300

nacatcacnc angatcnatc tcgcccaagc gaagagcgat atgatgggat gaggtcatag 360

tcgcgctcac ctgcctccga agggntcaaa ggggggcnca attttanctc cagtcnagag 420

cgtaagagcc gcnagct 437

<210> 15115
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-D7

<400> 15115

agaaacacaa aacaaaatcg tcgatggctg ttacaaaaag gcttttgtga gtgtcccaat 60

tccattcaca aagttttagt gtttaataat atctgacact ctctttcttt gaccgtcgcc 120

gccgcaatga ccgtcggagt tttagctttg caaggttctt tcaatgagca catcgcggct 180

ctgcggcggc tcggtgtcca aggcgtcnag attaggaagg ctgaccagct tctcaccgtt 240

tcttctctta tcattcctgg cggcgagagc accaccatgg ccaaactcgc cgagtatcat 300

aacttgtttc cggctctacg tgagtttgtt aagatgggga aacctgtttg ggggacatgc 360

gcaggtctta tattcttggg cagacagaac agttggtcan gaaanaagga agtcangaat 420

tagg 424

<210> 15116
<211> 135
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-E1

<400> 15116

gtnagggaat gcagagagan ggtcggngta tcgccggtga agactaagct gtgtgatcgg 60

tttaaccgat ccgtcggcgg caggaattgc cacctgggaa cacgtcnagg acgggtgatc 120

cantttcta anctc 135

<210> 15117
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-E3

<400> 15117

tccttaagac ccaaaaatcc aaacctaacc ctaatcgaca ttttctccga tttctaaatc 60

ctcctccggt gaaaatgtct caccttgatg atcttccttc tactcccgga aagtacaaaa 120

ccgataaagt tccaccgtac gggattctcc accaccaccg ttacctccgt ctctcaaaac 180

tcacccttg ggcttctctc ttcctcgctc tcttcctctt ctacctcgtt ttatctcctc 240

ctccgtcacc atctcgccgg aatctcaacg attcttcctc catttccgcc gcgaaatacg 300

gcggntctca ctgggagaaa caagtccgta aatccgctcg tcctaggtct cacggcggtt 360

taaacggtan tagtcacgga gctttcggat tcgtcggtac cacgtctcga ttg 413

<210> 15118
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-E4

<400> 15118

ccaaaatctc tctctcgttt gactttccct ctctcccgtc gtttcaccgg aaaaaaacaa 60

cagaaaaaaa accgacggga gagaagaaca aacaataatg gggaaaggag gacgtgagaa 120

gatatcatca aacgaagaag aaagagaagg agtcatggct acagatttct tttggtctta 180

caccgatgag cctcatgctt cgaggagacg tcaagattct gtcntgttac cctcaagatt 240

agacaactct ttggtcctga tcatgggctt tcctcaagga tnacaataag tantaattct 300

tcaactctca acaagctgca aatccttcaa naactccngg atggntcaaa gattctaacc 360

aatgncttac ttccttggga tnaatcccca aaccaaaatc tcctccttan caatnccatg 420

ggnctnangt ncanaaacct tggcc 445

<210> 15119

<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-F2

<400> 15119

tttttttca tttcttcctc cagagagaga gagagaagcc acaacaagaa gaagaagaag 60

aagaagaaga agaagaagtt ctggaatagt catcatcttc tctgtttcta ggctttgttt 120

atttgtctct aaagtttctg gattcaactt ctgaagaaga tagtagtagt ccacaagaag 180

gatcttcttt acaaagttga tttggtcaga gccaaggaag atgggttaca tgtgtgactt 240

ctgtggtgaa caaagatcta tggtgtactg tcgatccgat gcaacttgtt tgtgtctctc 300

ctgtgaccgg agtgtcaatc cgctaatgca attgtccaaa cgacattctc gggcacttgt 360

ccggcganga gaatgcaatg ctcaaccctg ctactggtca ngtgttgttg aaagaaaagg 420

gtttcactcc gtcaaaaa 438

<210> 15120
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-F4

<400> 15120

gcgggaacna nggcccggaa acttacnang gatgcaggag tacttggctg caaacttggt 60

gaagcttgct gattacataa ccattttggc cccttccaac anacagccaa agcttttgcc 120

ctgtttttgc ttgttgttca agaaaaacaa tatggagaga gaggagagaa aacgaaagag 180

aatgtttttc taagaatggt gttttgtaac taagactgca tatataatgc gcagttttcg 240

gattaatatt cnnaatagat ncaagggtcc cttttccacn ggaaaatggg gnaaatccaa 300

aataccctag atccttatac caaagtatnc aaatcnccnc cgnntacttc natcaattag 360

gtcccctaac ctggccnccn aangnttatt aacctanatg ggcccaaaac aatatccttg 420

gaggaaaaaa aaa 433

<210> 15121

<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-F5

<400> 15121

aatagggact tgacgcagat cttgttgggt ctcgaacctt cctcttcgtt tgcatcagga 60

aagagcgaga atggcgggag gaggaaactt tattgcgaga gtgatctcat acgttgcgaa 120

cgagttcata gttaatggtt tggcaaacag ccatgctttc cagagatttg ctgtgaggac 180

ttcaaagaga atagaaaacc tctctaaaat ggctgcagag aacagggaga aagtcgctca 240

gcaaatggaa gaatttgcca agaacattga ctccacgaag aaaccctgat cattctagtg 300

tggaatctta aaanctcagt anatcacatg ggtcagctca agtagggagg tctgtttatc 360

tttgtataaa agaatgttaa aaagtantan gcttgtggat tanacaacca agtgatcntt 420

tggg 424

<210> 15122
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-G4

<400> 15122

agagacttgg ttgttacttc tgcaacgacg tggttgcacc tcaggattca atgactgatc 60

gaactctaga ccaacaatgc actgttacac gcccgggtct agctcctatt gcaggagctc 120

tcgccgttga actcttagtc ggagtcctac aacacccact tggtatcaat gcaaaaggcg 180

acaattcgag cttgagtaat acaggaaaca atgatgattc gcctctcggg atattacctc 240

atcagatacn aagctcaatt tctcagttct cacagatnaa gcctgcttgg tcaagcttcc 300

aacagctgtt ccgcntgctc tgaaaccgtg atatccggng tatagggaga gaaggaaaca 360

gtttcatact tgaagctatt aaccatccta catacctgga aggatcttac tgggnttaac 420

cgagncttaa 430

<210> 15123

<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-077-Q1-E1-C7

<400> 15123

ttcatggaac aggttcttcg tttatgtctg ctaaggacta ctatagtgtt cttggagtga 60

gtaagaatgc tcaagaaggt gaaatcaaga aggcttatta tgggcttgct aagaaactcc 120

atcctgatat gaataaagat gatccagaag ctgagacgaa gttccaggaa gtctcaaaag 180

catatgaaat tttgaaagat aaggagaagc gtgaccttta tgaccaggtt ggtcatgaag 240

catttgagca aaatgctagt ggtggatttc caaatgatca aggcttcggt ggtggtggtg 300

gtggtgggtt taacccattt gatatctttg ggagcttcaa tggcgatatt tttaacatgt 360

accggcaagg atattggagg tcaagatgtc aaggttttgc ttgatcttcc ttcatggga 419

<210> 15124
<211> 265
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-075-Q1-E1-E3

<400> 15124

ggantctccg ccgcctcaca cgacgggcaa cttcagttcc tgccgtcgcg ttagatcccg 60

ccgtcaatcg gtcatggcga ccggtaaaac ctcttccgcc gcgaatcttt tcactggctc 120

gacgcgtttt gatttatcat ccgctgantc gcctccttca aaactctctc nctcctccga 180

tcagntcaac cactgccacc aagctctcgg cgttttccgg ggaaagatcc anaatcctga 240

ctcgatcnct catgagttta cnggt 265

<210> 15125
<211> 253
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-075-Q1-E1-E5

<400> 15125

ggatcctgcg aagaccancc agtctgttaa ttttgtataa acantganac gaanaagatc 60

ttccgagaat attctctcct tctcacgcat accctagaat attgtttcgt ctctcttcct 120

tctaggtttg cttatttgcc ccaactcgac gcgaatcatc agcttttana aattctgtca 180

actcaaagat tgtttctgaa ttggaanctt acagaggttt agcttgagat gatatgacta 240

ntcagcagga gca 253

<210> 15126
<211> 253
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-075-Q1-E1-F1

<400> 15126

ggtacaataa aatcccagaa cgaaatctct acgtcgaaac catgtccagt ttcttccctt 60

tgccgccagc catcgggaaa tccactggat gtggagtgcg tgatgaatca caatcattag 120

ttgtatgggc cattgaggac tactcaatcc ctgaaagtat cgatcctgat atgatcaact 180

tgaaaatcga aacagctatt gtcaaaaaat ttaatttaag gtcgtcggcg gtagtgacaa 240

cctggatttt cgg 253

<210> 15127
<211> 261
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-075-Q1-E1-G1

<400> 15127

ttatactcaa ggttgggtgt ctggcactgg cggtagcata acgatgaaag ttcatgatgc 60

ttcgattcct aaaccggagc aacttatcgt catgtctcct tcaggtgttc aaaaggagag 120

gatgcaacct gaggatatgt acatcttatc tgctaatgga tccatcatat ctacaccctc 180

tccaaagcca tacccaaata agcctcccaa gtgtaccgat tgtgctccac ttttcatgaa 240

ggcatatgag atgcgaaatg c 261

<210> 15128
<211> 256
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-075-Q1-E1-G2

<400> 15128

acttccaaan ctctgacaga aaagccctta tctttctcac cgtcggcgag tttgccgact 60

ctcacggcgg agagacttat caaaggattc aatttgatgc ctacacgcga cgtcaatgtc 120

atcgatgaag aaggttctga ggctccgaga ctggtcgaga gagcattcga tttgccggcg 180

gcggttgacc gtcgtggctc cggtggttct ccgtcggttc aagattttgg tcaccatgct 240

ggttactaca aactcc 256

<210> 15129
<211> 262
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-075-Q1-E1-G3

<400> 15129

ttatctttgt tgtcgagaat nacttgtggg ccattgggat gtctcacttg anagccactt 60

ctgaccccga agatttggaa naaaggtcct gcatttggga tgcctgntgt tcatgttgac 120

ggtatggatg tcttgaaggt cagggaantc gctaaagaag ctgtcactag agctagaaga 180

ggagaaggtc caaccttggt tgaatgtgag acttatagat tcatgaggac actccttggc 240

tgatcccgat gagctccgtg at 262

<210> 15130
<211> 261
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-075-Q1-E1-H1

<400> 15130

catagtttct tcttgctttt gagaaaaaat aattatatat ttttatatag gaaagggtta 60

atttattaat aaaaaaaaat aaaaagaagc agaaaagaga taatgcaggg tggtaggctt 120

ttgacggtgt tggtgtgcct cgcctccacg gtggcgttgg tgagcgccgg tgacccttac 180

ttctactaca cgtggaacgt aacctacgga accgccgcgc ctctcggaat tcctcaacag 240

gtgattctca tcaacggaca a 261

<210> 15131
<211> 266
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-075-Q1-E1-H4

<400> 15131

gatctgaatt accctgacat gccagatgca atggtgcacc atggctttta cagtgcttat 60

cacaatacaa ctttacggcc tgcggttttg gatgcaataa cacgagtgaa aaaagtctac 120

ggggcgaaca tcaacatcat agtgaccggt cattcaatgg gaggagccat ggcttccttt 180

tgtggtctaa gacctagttg taaatgaagg tgaagaaaac gtacaggtta tgacatttgg 240

gcaacctcgt gttgggaatg ccgctt 266

<210> 15132
<211> 251
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-075-Q1-E1-H7

<400> 15132

ctgaaggagc gttattttat ataagaaatg gatttaacaa cttcaacttc tgtttcantt 60

tggcaatgtt ggttggcncn ataaaacctg gtaacaaaaa ggaattanna ccgtgccctg 120

ctggttgtga tttccccgat gtatatttgg ctggcgttca tgtcacttca gccccacaaa 180

gaagaaaggt tcctttatcc tatataccct cttatttgtg tctctgcttc tgctgttatt 240

gagaacatcc t 251

<210> 15133
<211> 52
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-A1

<400> 15133

catgtcgana ttcacaaant cgccggtaag ctggccaagg gacgaatgaa gg 52

<210> 15134
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-A11

<400> 15134

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atttcgatca tcttcctgac tcaatcctcc tcctcgtttt caacaaaatc ggcgacgtca 180

aagctctcgg aagatgctgc gtcgtttcna gaagattcca ttctctcgtt cctcaagtcg 240

anaacgtcgt tgttcgtgtc gattgcgtaa tctccganga cgattcgtca tctttgtcat 300

ctatcaaatc tcgctccggt tcttccgctg gttcgttctc ggctanattt cgtcctgttg 360

ttgggtggca ntgttaagcc gttacaagct ttaggg 396

<210> 15135
<211> 354
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-076-Q1-E1-A2

<400> 15135

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agatctgtgg tgacagatca tcaacatcaa caacagcctc ctcctccgtt tcaaggcgtc 120

tctaactatc caccgcagca gcagcctccc gccaccggtt atcctcagcc tgctcagccc 180

tacgcccaag gttatgttgt taatggagta agaccaacag aacacggtcg ttgttgcggt 240

atcggcattg gctgggtatt attcatcctt ggtttcttct tcgctttgcc ctggtacatc 300

ggtttcttcc ttctattatt ctctaaggaa cccgcgtgag agaccaagga tata 354

<210> 15136
<211> 324

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 15136

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tctatatttt ggtggagaat gttgttggac gataataaac atatgatttc agtgcaacgc 180

ggctttaaga gtcgtggtca gatgaaatat ctgagttaaa agatttgatc aaatggctaa 240

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tcagggcgac tanaccaaag ggaa 324

<210> 15137
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-A9

<400> 15137

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ngnaannttg gcgngcttac gtttataatt tgattattat attctcctcc catagttcca 120

cggcggagct ccgcaggcta ctgcagccat caaaaaccga tggtacagtg agctttctcg 180

ttatcggaga ctggggaaga agaggctcct ataatcagtc ccaagtagct cttcagatgg 240

gagaaatcgg agagaaatta agatatcgat tttgtgattt ctactgggag ataattttta 300

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ataccgctcc gagccttgca gaaaaccttg ggtaaagtgt tt 402

<210> 15138
<211> 374
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-B3

<400> 15138

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gcacacattg gagttgaagg agacctcgct gttaagttgg gcaaaagcta caccgtgatg 180

gctgaaaggt ttgtcaancn tttggagatg atgtctacgg tctcggccaa gtanaagttc 240

natgctaatg ctaagatnag cnctaggtga tagtgcngag attgaanaat gtgtgataaa 300

tttaanaagt gccngtancg tctnacctga acgtgatctc tcangtgcag gcaccganan 360

gtcctcngng gggg 374

<210> 15139
<211> 365
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-B4

<400> 15139

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ttgataagac tgttcaaggt ctgatcgaag agcttcagaa gaaagctagg cccgtgaaag 120

gtcgtgatga catcagagct gtggcttcta tctctgctgg aaatgatgac cttatagggt 180

caatgattgc tgatgccatc gacaaagttg gacctgatgg tgttttgtcc attgaatctt 240

catcttcttt tgagaccacg gtcgaagttg aagaagggat ggagattgac agaagttaca 300

tctcgcctca gtttgttaca aaacccctga gaaaactact aanctgagtt tgnnaaatgc 360

taggg 365

<210> 15140
<211> 373
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-B6

<400> 15140

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gctctgatgg cacgttctta tcttccaagc aaagtttcgg gagatagtag ctctatggag 180

ggaanatctc ancaaggtta atccaaannng canctgaatc tttagctgat cctgaanagt 240

actcaaatct ttttgaggan tggcaagttg gccctttctg ttgaaggcaa cactgcagag 300

acaaggggga agtttatacc gctggcagaa aattatccca tccccanngc cgangnaacc 360

ttccaattnn ccg 373

<210> 15141
<211> 170
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-075-Q1-E1-E2

<400> 15141

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aaagtgaatc tgaacataga aagtggagct gggaaggtga ggaangcgag aaaagcagca 120

aggtcgcaat ggcttcannc ctnanatncc cnatggaant tcaaaacnna 170

<210> 15142
<211> 360
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-076-Q1-E1-B7

<400> 15142

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atggaaactc ttgatattgt acaggaggaa ggcaccacca gttcatatgt gcaacatact 120

ggaaagttgc aaccaaaacc tagattactc gagactgtgg ttgaagaacc tgagcctcat 180

tactccgctg gtgatactgg ttattttcca atgggtacga acgagtctga gtttatggcc 240

aatgtggaat caagaaacgg tttcagtact tatgaagatc ttcaagaaga agaacttaat 300

attcctgaag cccccagaga aacggttggt gagatggagg cgcaaaaatg cttctggcgg 360

<210> 15143
<211> 355

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-B8

<400> 15143

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tggctcancg aggtgtgctt ataacaattg tcacgacgcc tcacaatgca gcaaggttca 180

agaatgtcct aaaccgtgcc attgaatctg gtttgcccat caacctagtg caaagtcaan 240

tttccatatc aagaaagctg gtccggcang gaanggacna agaaannntat gggatttgnn 300

ttaccacgna tggagccngn taacatcttt cctttaaagc ggtttanctt acgca 355

<210> 15144
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-B9

<400> 15144

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atgaggcagt tggagacgaa tggttaanaa ccgggaattg tcctancgcn aagtctttta 120

gagctgcaag canagtcatg cctcttattt ctaaagcatt aacgctacca cctggtatga 180

aatatatatg tccagctcct atagtacctg ctagagctgc actttcgaag actgctttgg 240

tcaaaagtct tcgccctcag cctttacctg aaaagatgct tgcaatcgct ctcatgggaa 300

tggctgcaaa tgtgcctcna ngtgtntgga nagancacac angnangttt tcgcctgcat 360

ggggttttgg cagtcnaatg ctgctgtgcc atttanaaca 400

<210> 15145
<211> 356
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-C1

<400> 15145

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caagaagatg ttactgctgt tgctactaac ggtgctggtc cggtggagac gcatcttgtc 120

ttcactgagt tcaagcagat gttgctcgtt gaagctcaaa aggtcggtga cgctgttact 180

ttctacaaat ctgcttttgg tgcgatcgag tctggtcatt ctctttaccc taagcgtaaa 240

gcttgaccaa agagcttcct catgttctct cttctgagct taatcnccct ggngcttccn 300

tcgntgtttg gnangnttnc cgcgccccng gggggttttc aaaggggtna anggng 356

<210> 15146
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-F5

<400> 15146

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caaaccgcaa ggaaatccac cggaggaaaa gccccaagga aacaactcgc aacaaaggcg 120

gcgaggaaat caagctccgg cgaccggagg agtaaagaag ccacacagat tccgtcctgg 180

aactgttgcc ctaagagaaa tcaggaagta tcagaagagc actgagcttc tgatccgcaa 240

gcttccgttc cagcgtttgg ttcgtgagat cgctcaggat ttcaaaacag atctgcgttt 300

ccaagaagca gcgccgtcgc agcacttcaa gaagcgggct gaagcatacc tccgttggnt 360

tgtttgaaga caccaaatct ttgcggcgan tcatgntang angagtcact atcatcctaa 420

gggatatncc aattggggan ggg 443

<210> 15147
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-F6

<400> 15147

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taagtggttg gttcttagat atgctgttct taatttacaa gtaattcaag cagccattcg 120

atttgccaag caagaaggtc tttctgtttc cttggattta gctagttttg agatggtcag 180

gaattctaaa tcagagcttc gacagcttct ggagtctggt aacatagatc tttgctttgc 240

taacgaggac gaagcagcag agctccttag gggtgagcaa naagcgggtc cggaggcagc 300

tcttgagttc ctaaggcaga cattgcaaat gggctgtggt aactttaggg tccaangggt 360

gcattggaaa acatgataaa gaagtgggta catatatcag ncataaggag angacagtng 420

caactgatgc c 431

<210> 15148
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-F7

<400> 15148

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tggtttgcaa tctctcccac gacgcgcttc atcattcatg gctatttgaa tctctcttct 120

ctctctctat caaatatgca aaacccttca acggtaaccc aggaatcagc cgcaccggtc 180

tttgatttct tcccacggct canaggttta acctctagaa atcgatcccc gtgttcgaat 240

tcagatgggt atgctctctc atcgtcnaat gccttgtact tcaatggttt ccggacttta 300

ccctcccgaa ggatgggaaa aancctagct tccttgagct tcaacactaa gagcagtgct 360

ggttcgagtc tccgtaagtt tatcaagnga tttcaagaag cttt 404

<210> 15149
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-G10

<400> 15149

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aatataaaca atacctgaat ctttaagtca atacttacta caggtttgtt atcnaaacaa 180

gttcttctct gttttagtaa atgtntcttc tgtctcagtc tcactagaac gatctgtcca 240

ngaaattttc tcgnaaaggg ttattatggc tgaaggagtt gtgttgtttg gngttcataa 300

gctttgggag cttctgantc gagaatcggc gcgantgaat ngaattggtg aacangttga 360

tggacnaaag cgtcagctgg gaaggntnca ntcantgctg aaaggnnncn nacggcaagn 420

nng 423

<210> 15150
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-G2

<400> 15150

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tgtcaacgtt agnaaccgta ggttaagctt tgctctctta tgcagtgatc aattattcac 120

ataaatgttt tgtcaaatat ttaagtggga cttcatgaat taaattagtg aagtgagcat 180

tgctcaaagt tgtatatatt aagccatgag ctttcctcat gactcataat atctcagtaa 240

aacanaataa catacaaatg gatagcattt ggattctatc acttctcttc ttcatcatct 300

ttcttcttct ggccgccttc aaacgcaaaa atcatgggaa acatcgacga ataccatctc 360

ctcctggttt tccaatcatc ggaaacttac atcagctcgg agaattacaa catcagtctc 420

tatggaagct ctcaaagaag tatggccctg tnatgctttt gaagcttgga aaagtcccca 480

cactcanact ttc 493

<210> 15151
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-G3

<400> 15151

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ggagatagaa acgtcgatgg gcttaattgt ggatgatgat aacgatggag aagttttgat 180

tccgccgccg aatttttcaa tggtanaaga tgaaatttac cgatctgggt ttcctgagct 240

ggagaatttc ggattcttat caaccctaaa atcctccatt catcaattat ctgtgtcctg 300

agccataccc tgaaggacaa tctcaaagtc tcntgcatcc aacaacatta agccttttcc 360

agttcgggga attgaangca aaaacggatc tccaactcct atgccaaaag gatacagt 418

<210> 15152
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-G9

<400> 15152

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cattccgtct atttgcctac ccatgtctca attggagctc gcgatgaggt taggacgctt 120

ttcgtcgccg gacttcctga agatgtcaag cctcgggaga tctacaatct ctttcgtgag 180

ttcccaggat atgagacttc gcatctccgg agctcagatg gagctaagcc cttcgcattt 240

gctgtgttct cgagatctgc aatcagctgt agcggtgatg catgctcnca atggaatggt 300

gtttgatcnt gaaaagcatt ctactcntca nattgaccct tgccaaatca aatccaaatc 360

taaacgttna ntaacaggat atngng 386

<210> 15153
<211> 259
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-075-Q1-E1-A2

<400> 15153

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accattcaag gaaaaaggat aaatcttgta gaaagaagat gccaaaatga ttttttttatt 120

tagaaattaa acagcgacgt cgttttgcag ctacagtgcg atcatctaat cagtcagtgt 180

cttcaagttt aaaccgcatc tctagtctct ctctacttct ctctgtgtac aatattcgga 240

aagtgaggaa gatacactg 259

<210> 15154
<211> 250
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-075-Q1-E1-A6

<400> 15154

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atctccttcc taggaacgtt tcatcgattt catatttgct ttccttaatc cacaacgttt 120

cttccttcgt ttttttctgc aattttgttt tcctttacac caaattcatc tcttagtctt 180

gtccaatttt cgatttttt tccgacaatc ctgattgttt gttttttat ctgtcgggat 240

ttcgaatggt 250

<210> 15155
<211> 256
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-075-Q1-E1-A7

<400> 15155

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attgatacac ttcaggtttg cccattgcga aggcctatca agtgggagag cgcaccaact 120

ttcgcatctc cgtctgctaa aagctttgtg ttccctgtgg ttagtggtca aacgatggaa 180

ctagctatag ctcaattttg gtcaagtggc ctcggaagtc gtgaaccaac tatcgttgac 240

tttgagattg aattcc 256

<210> 15156
<211> 244
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-075-Q1-E1-B2

<400> 15156

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catgatacga cgaatcaccg agagagcttc tggtttcgct aagaatattc cgattctcaa 120

atcgtctcga tttcacgggg aatccctcca ttcctccgtn tcccctggtc ccantcccgg 180

ggtccaagtn ntccantgnc angangctgt tgggaatgta tccaaactat cncgattgnc 240

nagc 244

<210> 15157
<211> 93
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-075-Q1-E1-B3

<400> 15157

tctcattcnt cgttcntcca aacgttcaac tctccgttcc tctttccgcg gcgtctctct 60

caagnacaac aatctccacc gtctccaagc tgt 93

<210> 15158
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-F4

<400> 15158

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gcttacccat tgggnttatc catctgagaa gcttgtcttc aaatgggttg aatcaagaaa 120

gcctgaaaga tactcttcag ctgcaccact ctctcctgat gcacgtttac ggattgtttc 180

tgaacgantt gacctaactg acaacctcgt catttctatt tcgataggtc ccccaaactc 240

aagattaaca tcaaaagaaa agaaaacatg gtccgctaaa gaagttgctg attctgtttt 300

gtctgataaa tcagcattgc gtgtcacctc aagtcagcgt cttgaagaga gttcggttct 360

tgatgctcat gctagtgata ttgatggggg aacccttact ggtactacga gtaacttgtc 420

cgnnaatcaa caaccaanag 440

<210> 15159

<211> 263
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-075-Q1-E1-D1

<400> 15159

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tcgttacttg atgttccata tggttcggtt caagaagaat aacttcttca aagagaagaa 180

ccctaccttg gttaacttcc cagtgaagga catggagctg agggattaca taccatcatt 240

gcctagagca ccagaaggcg agt 263

<210> 15160
<211> 230
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-075-Q1-E1-D2

<400> 15160

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cacgtttcat ctcttggctt ttgttgctgg ttacttttttc actggtttct tcttcagcaa 120

ggcacctgat gtaaaagctc tgcaaagaac aatttcctat gaaacaggaa tgcaaagtag 180

tcttctcgct ctggccctcg ctacaaagtt ctttcaagat cctctcgttg 230

<210> 15161
<211> 262
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-075-Q1-E1-D3

<400> 15161

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gttgaacgtc gtcgtaataa gcttcatctt catcaatcat catcactttc ttctttctcc 120

cacagatcct tccttttctc cttcatcttc cccttcttcc ttttccctca tcgcccagga 180

acacatccga tctgcaccct cttcgttcga ttctcacaat taatatctag ggtttgcgag 240

gacccccccct ctctattcaa aa 262

<210> 15162
<211> 251
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-075-Q1-E1-D7

<400> 15162

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aaatatcaat ataagtttca aaatttagag aagaaagaac ttcattgatt gtgagttcta 120

aataaataat ggttagtata tattagtgat anagggttag gaagaagtcg ttatatacat 180

aaactcagtg taatgtttct gtcaagcttt gctttgattt aaggattgta ctttcttcct 240

tctcactgtt a 251

<210> 15163
<211> 258
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-075-Q1-E1-E1

<400> 15163

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ttcctaaatt tcaatattat tttatttttg atgaaaaacg aagtttgaat ttttcttttg 120

gttttcaagg atacggagaa gaccttggag agaagcacaa tgacgtaaac tttgggacac 180

aagatcacaa cagaaaatat tatatccaaa ggcatctctt gagtatgcac gacgccattt 240

gcaaggacaa agtgaacg 258

<210> 15164
<211> 308
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-B9

<400> 15164

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gtgaaatgat cattgtctat gaatatatgg agaagggaac gcttaaggac catttgtatg 120

acttggatga taagccgagg ttgagttggn gacagaggct tgagatatgc gttggtgcan 180

ctagagggct tcattacctc cacacaggtt ccacnagagc aatcatacac cgccatgtga 240

natctgcnaa cattctattg gatganaatt ttanggctaa anttgcngat tttggattgt 300

ctaanaca 308

<210> 15165
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-C1

<400> 15165

cantccaatc tcgaacctgt ccgtcctatc tcaaatggtg accagaaacg cgagctaaag 60

gcttctaatg caaacaccga atcaagcagc ttcatttcta accgagccca tcttaagctt 120

gaggaagaag atgaggaaga ggagcctgag cagttattca gaagattgcg aaaagggaaa 180

gctagagcaa ggcctgagga tgaagaagag ccatcacctc cacaaggatt gcctggatca 240

gcaatacata acgaaagact taaccgtcca cttatccgtc ctttaccatc agangaggca 300

tcacgcggtg gtgatagcca ttcgcaatcc ccacctgttg tgantccaac ancacctggn 360

gaagcacgtt nagagggaaa aantcttcaa agggagaata anggttaacc ggngcccttg 420

gggtttacaa aggtcaaaag 440

<210> 15166
<211> 269
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-C10

<400> 15166

aatattagat atataaataa cacanagtga actcctaatc agggttcatt ttataaattt 60

attatttagt tattgcggat aaagaacaat aataatatgg ggatgtctaa angtatcang 120

gttatcttat ctcttgctct cgtagtgttc ttggcccttg ctgcaaccan ggttgaggcc 180

acangataca gancttatcc tgctatcgat cgtggagatc atgcngtaca ttgtgacaaa 240

ncccacccta acacctgcaa tangannga 269

<210> 15167
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-C6

<400> 15167

gggaaaaaag atgcaaacgc ttctctgtca gccatgtaag tctcttccta tactcactgc 60

ttcgtcgtcg tcgtcgttga ttcgtagctc cggtgatgtg cgagaatgta tcgattttag 120

agcgtcggag aaagtctcga agtttcaatt tcatgtaacc ctaagcccct ttgcctttcg 180

tggtttctca atatgtcgcg aatttgctgt tcgtggagct tatgggatta gattttgctc 240

acgagaagat gtttccggtg ttggaaatgg aggaatcgtg gcggaggagg agattgaagc 300

tattgaacaa gccgaatcct ttaccaaaat cagaaaatga aggagagtgg taaagcagac 360

gatgacgcga atctgggngc cgtttntgga aattccttaa accgggaaga aagaagggga 420

aaggaatt 428

<210> 15168
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-C8

<400> 15168

aatggctctc caagctgcct attctcttct tccttctacc atttcaatcc aaaaagaggg 60

caaattcaat gcttctctaa agganacnac ttttactggt tcttcatttt caaaccatct 120

tanagctgaa aagatatcca ccctgttgac catcaaggaa cagagaagac agaaaccgcg 180

attttccacc ggtattcgtg cacagacagt tacagccacg ccgccggcaa acgaagcatc 240

gccggagcaa nagaagactg aganaaaagg cactgcagtg atcactngga gctcgtctgg 300

gttaagttta actacggcca agggctttan gnagagacag ggaaatggca tgtgatcatn 360

gcttgcagga annttctcaa ggccgagaaa ngcagngaga tcgttgggan ggtcg 415

<210> 15169
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-D12

<400> 15169

acggagaaga aaaccctaga ccggcgaaga agataaatca gattcgatgt cggataataa 60

agaccgtgat tccgattccg atgctccgga ggaattaacc caggagcagg cgaagctgga 120

agaggaagca ctgtggaaaa tacagagaga gaataagaat agggtttccc gtgagaagaa 180

agagaggcgc aagcttatgg cagagcaagt aactctccga aaatctcgaa agattgaaat 240

aattgaggat gtagtagaag aagaagaacc tgangaaaac tctgaagctc ttgcaaacaa 300

agggattcct ttccaaagac atcatagact ttcttgcggn gcgaagaaaa acaaaaagct 360

gangtcagat tctgaagaag aagangatna tntnngnagt cccaacnnaa ggnag 415

<210> 15170
<211> 249
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-D3

<400> 15170

caaaaactcg gggtttgtat cgttctcgtt atctcttatc aagacccaaa gggtcctgaa 60

tttagagaac aggtcctaaa actctccgct taaattcttt cattttcgag ttgtcttttt 120

gcgttgttat atacaattca tggttatcac ttatcagcaa ctgagtgatc agtgtaatgt 180

tgctgggata agattacagt tttcagtgta gtgtctgatc ttaaaannca gcaccnnnnn 240

anantnggt 249

<210> 15171
<211> 491

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-D4

<400> 15171

agcctgcctt acggnccaaa attccggatc accaagcgtc cgattaagat aaaaatttnt 60

caangnatta attacacata ctgggnttnn gagcaaganc attgctcaga attattacca 120

aataagatgt ttagaaacca agactcgaaa tacttgatcc cggtgcaaga aagaagcgcc 180

accggtgaca actttaccga tgaaagcttc aacggtgaaa tctccacaca actgtgaggc 240

cattctcaga gacgcagatc ctccgatctc tctctcctct gttaatctct ctgaacagct 300

acggtctggt gttttcttga aacccaagaa acagatcaaa tattgggtgg acgagagaaa 360

cagcaactgc ntcatgctct ttgcaaagaa cctctctata acttgggtct gatgacgtca 420

actattggga cttgggttta ccgaaaaagg atcaccaaaa ccaagaatgt ggaagctgtt 480

gggaattgaa a 491

<210> 15172
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-D7

<400> 15172

tttcaaaacc ggagctcaga gactgatctc ggaaagtaaa tcgcagccat ggcggaaaaa 60

gctgtcacta tcaggaccag aaacttcatg accaacaggc ttctcgccag aaagcaattc 120

gttattgatg ttcttcatcc tggaagagcc aatgtttcaa aggctgagct taaggagaaa 180

ttggcgagga tgtatgaggt taaggaccca aatgctatct tctgtttcaa gttcagaact 240

cactttggag gtggtaaatc ttctggatat ggtttgatct atgatactgt cgagaacgct 300

aagaagtttg agcctaagta caagacntat cagggaatgg acttgacacc nangattgng 360

aaatcaaggn aaacangatc aangagnagg aagaacangg ccgaacaaac atccttgggg 420

ttaangaaga accnngg 437

<210> 15173
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-E2

<400> 15173

gaagacatct ttttaattca ctcccttgca aaatggtgga tcatcatctc aaagctgatc 60

gtgtagttgc tcgggtagag aagtcggtca atttggttat angtcatagg caaacacaaa 120

ggcaggccgg ctcaagggag tatgaaggtg aatcaaanca gaagtacaca actaagaaga 180

tcccaaaatg gaagcataat gattcanaga gaaagatang tcaaaagcaa aacaatgaaa 240

caccaactat gattgtcgct ggtggatggg tcagggccaa atcgagccat gtgggcttca 300

cctccaaatt cctcgaagct ccangccaca nnagaatant taantattga nagaagctgg 360

tggtaacata tataagaact caaattaaat gttcaagttg gggaagtaga caactgttgn 420

gccgagaaca aggcca 436

<210> 15174
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-E3

<400> 15174

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gagaagctca ggcagctttt aggtggactg cttagcgaac ttacctactt cgaagagcct 120

attcgatcac cgcttacccc taatgttctc ataaagggga ttgtggcagg agaatcatca 180

ctctttaaaa gtgcattgca tcctctgcgc cttactttcc gaacaccaga agaaggagga 240

agttgcaaac ttatatttaa gaagggagat gatctccggc aagaccaact ggttgttcaa 300

atggnttggc tcatggatag actacttaag ctggaaaatc ttgatctatg cctaacgcct 360

tataaggtgt tagcaactgg acatgacgaa nggatgttgg attcataccg tcccgttcct 420

tgggctcaag atctcc 436

<210> 15175
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-E5

<400> 15175

tttatattcc tctgatattt tctctcagtt tgatctcatt tgctctgcaa tggcgactac 60

catgaatgct gctgtttctc tcacatcttc aaactcttct tcttttcccg ctacaagttg 120

tgccattgct cctgaaagga tcaggtttac taagggtgct ttttactaca aaagcaacaa 180

tgtagtgaca ggtaaaagag tgttttccat aaaagcacaa atcacaacag aaacagatac 240

tcctactcct gcaaagaaag tagagaaagt gtcanagaag aacgaggaag gtgtgattgt 300

taacaggtac aagaccaaaa gaagccttac actggaaaat gccttctcaa caccaanatc 360

acaggctgat gatgctcctg gnagangacc tggcacaatg ggntttcaag ncaatcanag 420

ggagaaag 428

<210> 15176
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-E6

<400> 15176

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gctcctctcc tccgtcaaat cctccggcca aatcaacgga tccgccgtcg taacccatct 120

ctcagatcga cgaatctccc gactcgccga tcctcctaag gtcatatccc ttaaatcggc 180

tcagatctgt ggctcataga tccagcgccg atcctctttc tctctagctg ctgtttctgc 240

tttccctcca aaaaaataac ttccctctct ctctcgcaac ggtttttact ctacggatcg 300

tttcanagag actaatanga cgcttgggat caagtgggan tggaatgtan agaatgcatt 360

caagnancta nangngaaat tgggaactna aagncanngn tggggnatgg ananttnggg 420

nccaaaatcc cggantcgcg angtgg 446

<210> 15177
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-E7

<400> 15177

tctatcaagc tcatttctca gatccgtagg atcttcattt ccatggaggc ttaaaaaccc 60

tagaagatat tcttttacac atcactcatc cgctagtgaa gataaaaatc atttctagag 120

cttcctcttt ctctctctgt atgatctgaa gcgaatcgtc tttagattct tcaccaatca 180

ctatcaaaag gacctctttt taaagctttt cgagacgagc tgggtttcgg atcctgtgag 240

cttcagagac gcttactggt ttatcaacaa ggctttccct ttgaatcaag ctttgattga 300

naaaggagtg aaaagatttt gattttgatc aggatacaca aagtgtnctt gcgttagtta 360

agcgactaag tgtgtgtttt ggtagtgaaa gcttcntana tgtngacagn tnnctg 416

<210> 15178
<211> 70
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-F12

<400> 15178

aatttgccan actgaagagg ttcctccgga gctcccagag cctgtcttgg gtancaattn 60

tgccagagac 70

<210> 15179
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-F2

<400> 15179

gnnactttcg agcttcctgt tttgcgggtg ctctcaaagg cttanatcgg gatctcgaat 60

cttgaatcgg actcagaacc tcggatcttc gaaaatcgac gaacatgtct tctcctgggc 120

gaattctata actcacttcc acctataacc aaggcttatg gtacgttgtg ctttttcact 180

acagtagcca cgcagcttgg cttagttgct cccgttcaca ttgctttaat tcctgaactt 240

gtacttaagc agttccagat ctggaggctg ataacaaact tgtttttcct cggtggtttc 300

tctatcaatt ttggaatacg tcttttgatg anaagcaaga tatggaagtt caactcgaga 360

aaggggcatt tgaaangcgg acagcangac tttttgtgga tgaatgatct ttgggattcn 420

tcactccaan gggnaantan canntcata 449

<210> 15180
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-B8

<400> 15180

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ccggaagtta caacgattct cgaatcagct tcatcagctc aaactacgat ttcaaatact 120

atggaagatt ccagatcgcg cttcaaacag aagcagatct ggtttatatc ctcgacgatg 180

atatgattcc tgggaagaaa atgcttcaga tgctctcaca cgtcgccgga actgagaaat 240

acganaactc tgttttggga agtatcggaa ggattttacc tttccggcaa aaggatttca 300

cgtttccgag ctataggaag tttagatcta ancgaagctg gcctttactt gccngattca 360

gccttatgac atcaccttan ntcggatctc aggttgattt cttatcangc ncggggttct 420

atcggcg 427

<210> 15181
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-G7

<400> 15181

cactcttcat cttcaaagac tgcgcctttt agctcagtga aaaaggttcg agcttcggaa 60

actatggcag cattccctaa ccttaactct gatgctggat tgaanaagct cgacgagcat 120

cttctcactc gcagttacat tactggatac caggcttcaa angatgatat caccgtcttt 180

gcagctcttg caaagccccc aacttcacan tatgtgaacg nntcncgntg gngnanncag 240

attgatgccc tcttgangat ctctggtgtc tctgctgaan gaagcggtgt cattgttgag 300

gggatnagct cctatcactg atgaggctgt tgctactccc cctgcagntg aantctaang 360

atgctgcngg ctgattaaag aaatgnatnn ggaangttga gccgttttnc cgggagggng 420

<210> 15182
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-G8

<400> 15182

ggacaaatct ctctcccgca ctcatctctg ttcattggtt cctcccaaaa aatatcaatc 60

aaatcggaat aaactatacg aatcctccaa tataaagctc cacccttttct ctttctatct 120

ctctctctcc attgttgact gtctctcttc cctcgtaaac atcgctgtct ctaaagatgg 180

cctctctctc aggcctatac tcttcttctc catctctcaa acctgccaaa aaccattcct 240

ttaaagcatt gccggcgcaa tctcgagatt ccttctcttt cccacatacc tcnaaaccca 300

ccaatctacc gttgantctc tccncgggct cgttctgtgg nanngcgnna attcncaagc 360

ggattcgang naaagagcnt cnaaaggtcc ggntgcgttt gtgggnaggc gaanntg 417

<210> 15183
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-G9

<400> 15183

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cgtccgccca cgcgtccgct tgacacttct ctctctcttt ctctttgcta ttcatcttct 120

acagtttctt aaaaattata ctcttcttct ccaaaatatc tcagactctc ttatttttga 180

tcgtcttctt cttcttcgnt gtgagcttcc atttttcatc caggatttgt tttttccgtt 240

tgaggtaaag cagctttgca gttaaagaaa ccttgagtat ccaatgtccc cggaagagga 300

gctacagagc aatgtatcgg tggctaagtt cttcacctac tagcaattgc atctccagga 360

acactctagg aggncttaaa agagnanaac tacttgggnc tctctgattg ttcttctgtt 420

gggaagctct actctctcnc cccttgcgga aagatgncaa nngtacnatc angctcng 478

<210> 15184
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-H10

<400> 15184

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atgtcgcaaa gtagcagcaa cttaattctc tcatggagtc tcttacatca aatccttcct 120

tcgcttgttt ctctaaaacc atttctcatt acccttctcg tttctccttc gtaaagctaa 180

cctctatcca aaagttggaa gcttccaaca acaccttatc gttattctgc tgtaaatcat 240

cttcgaatcc taaaccagat tgcaatcgtc gtatcaagtt aaacccttta tgtgtattgc 300

gtccaatcat tcgaacaata aagggtttgg tttcttctca atccaggcaa tggatgtctc 360

gttttcgagc ttacagagac gacacggcgg cgttttctga ggatttcgct ggagatttga 420

agcataacgg tggattaagg gaatgccctt ttgagcgtta cnggnntccg ncaag 475

<210> 15185
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-H2

<400> 15185

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tatgccacag gactgtttca gagattctca tcaaactaca agatcctgac acacagctgg 120

atatcgttga actgcttatc aagggatgca aatcgctcaa gaactacgag aagaagtgca 180

agacgttggt gtttgaatat ggacctctga tactcgtaaa tgcagaggaa ttcctagtga 240

aaaacgacgt ctgcacactc ttgcgcgcat gccccccctga gaaatcggtt ctaaggcagc 300

cggagttggc tgattcntga atgttcaaaa cgttgctata acaaggattt taantcctta 360

tggggtttat acaagnnggg acaacgaacc tgctccatgn gaatgggtgn cgacnttggg 420

gtnangtcna nanggtannng gagttcaaac aacaacctcc g 461

<210> 15186
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-H3

<400> 15186

tttttccgtt ttttgggttt cgtctggtgt tactctctcc ttctgagtta tggtgaaata 60

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gaagacgcta aaagagctcc caagttaact tattgccaat catcttcatc ctcaactgct 180

tcttcaacta agcaagtgga agtttctggt tcttctcctc gagtttctgt tgaaccacgg 240

actcaatcat cttgtgcagg tttcatgcct cttcctcgaa acccgaattt ccctgatctg 300

ttaccccaca acaccagact gtgggagtca tcctcatcat cagtttcagg tgaataagaa 360

canncattgg agggatgagg ttaacaatca angggtntct gagaanaagt ctngnattgg 420

gancngngaa aaaanaaagg 440

<210> 15187
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-H4

<400> 15187

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ctcctcacag tcttctccct cctctcctct tccctctctc agccctctcc tccttcagcg 180

attctgatcg attgtggcgc ctcttcctcc tccgtaatcg acggccgaca atggcaaccc 240

gacgagactt tcgtctccag cggcacacca aaaaacgttt ccgatcaagt cctcgacgaa 300

atcttattca ctgttagatc tttccctctt tccctcgacg gaactcatca caagtttggc 360

taacgttgat gagcgtttct cgtggctggg aatataagat nangnggaca tactaattac 420

ggggggagtt taangtaaag gnacnccncn g 451

<210> 15188
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-H6

<400> 15188

ggatcaacga aagtgtgagt ttgaggtgaa agatgacggc gacgatagat cggaggttat 60

caacgctgaa tccaaacgcg ccggtgtttg atccggtgga atttcgtgag gtggaggatt 120

tttcaccgaa atggtgggat ctagtaacga cttcgaaatg gttccgtgac ttttggctca 180

gtgctaactc tgagaatgag ttcctcggcg gcgacgattt ctcanttatg gaagaagagt 240

tcnaggagat gatcgcatcg tctgatggtg gatccatggc tgatacagtt acagaagcag 300

atgtggctag ntanttgaag atgcntttga acatagcgga gtcctacaaa agaggancan 360

tatagattng anggttccgn cctgnttnac caacangnnn aagcccggcc aanttncaag 420

gaanccccga ncnttt 436

<210> 15189
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-H8

<400> 15189

agattaaaag attagacctt ttcgcattca tggattcgaa gttgagaaat tttgtgatgg 60

gtctgtttgt gatgactgcg atcttgaata attctggtgt tggcgcgtgg actggagaga 120

ttcgtggtag agttgtgtgt gatgtctgtg ctgattcttc aattggacca tgaagatcat 180

gttcttgaag gagctgaggt tgcggttctg tgcataacca aatctggaga agttgtgaac 240

taccaagctt tcacaaactc aaaaggtgtc tacacagttg cagagacaat gccanagagc 300

gaacgttggg acgcttgcct tgcaagaccc atcagcagct tccanacacc ttgcaatccg 360

cctacaccaa aaccaaanac cnggaatcaa antcanctta taaaccgccc cttcccggnt 420

tccttcangn ccgttgaaaa caatttgtng tg 452

<210> 15190
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-H9

<400> 15190

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gatacgagtt tgacaagagt tctttgttgg aatacaacca catgagcttt ggaggacccc 120

cagttaaaac agaaacaaaa gaagaagaag atgagcttgt gcgccatgat gaaaaagaat 180

cgaaaatcga agccgaagtg ctttcaagct cccccaaagc tggtgtacag caaacttgtt 240

ttacggtttg caaagaaact cttggctgcg gtagttgata aatgggatag tcatgtcgtt 300

atcancgang aaaatttccc cgccagattg gaagagtgca ccagctggaa agaatattgg 360

agttttcgat tcttcacttg gnaatgtctg naagtggnan tcccttgnaa ccccgacacc 420

ggng 424

<210> 15191
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-072-Q1-E1-B11

<400> 15191

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cgttccaggg ctcatcgaac tcgtcgngnc gnaaaancat ctttgggaac gtagccgaac 120

tcttagagaa agagaaactt tccatcaact acgccaactg cagaagctgg caccttggtg 180

ttgagacctc taacatcatn gacntcgaca cggtgcccgc aaattgcaaa gactatgttg 240

aagacnactt gatcacttcc aagacagtan caatacgact ccaaaancgt gtgcaaagaa 300

ggcttagttc tatgccaaag gacttgccct anaagaacgg acaccgtcaa atgtttggat 360

ctttggncta gatgataccc tcctctcgan gtattcccta ctaggcaaaa atatggatac 420

ggaacaaaga 430

<210> 15192
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-072-Q1-E1-H1

<400> 15192

gaccggagcg agcgtgaacc accatcttga gaagagcaag ggtcttatgc agggtaaaac 60

cgagggtgat acaatcatcg ttatggatgc ttttgctttg cctgttgaag gtactgagac 120

tagggttaat gctcagtctg atgcctatga gtatatggtt gaatactctc agaccagcaa 180

gctggctggg aggttggaga acgttgttgg atggtatcac tctcaccctg ggtatggatg 240

ttgggctctc gggtattgat gtttcgacac aagatgctta accaacaagt atcaggagcc 300

attcttagct gttgttattg atccaacaan ggactgtttc ggctggtaag ggttganatt 360

gggggcattc agaacatatc cagaagggac attaagnatc tcggatgatc atgnttcctg 420

gagtacangn ctannccenc t 441

<210> 15193
<211> 167
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-A1

<400> 15193

gaangagant ctgccaacat ccaagtttac naangaaaaa gnctggnttg acagttaatg 60

atncccgttc ttcgaacaca caagccactt tctgtggaag ctccgggcca aggaatattg 120

ggaaataatc cttgatggaa ttcagaagcc tttgaagact antgcaa 167

<210> 15194

<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-A10

<400> 15194

acaaacgaaa cttctctgca atagccttct ccaaatttcc tcactttcac gcgtttcagt 60

cttctctata taaacttgtt tcatcaaccc atcaaaatcc cactcaaatt ctgtttcagt 120

gttcttcaaa ttctcaatct ttctctcaat tcatctaaag ggttcctcaa agtttcaatc 180

tttctctctg aatctaaacc atggctcgtt gtagcaacaa tctcgtaggg atactcaatt 240

tcctagtatt tcttctctcg atcccaatct tagctggtgg aatctggcta agccaaaaag 300

ggtcaacaga gtgtgaaaga ttcctagaca aaccaagtga ttgctcttgg tgttttcctt 360

aaggttgtag caatagctgg gccaataagg tcag 394

<210> 15195
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-A11

<400> 15195

gcccacgcgt ccgcccacgc gtccgggaag atgatggaga acactgttcg gagattgaat 60

ctccgccgtc tcttggaact cataggagat tgatttcttt gcttctgtgg ttgtttccga 120

aagaaggaag aaggaagaga atattggagg agcagttgaa ttcgtcgttg aggattaaga 180

agactaatca acggttgatg ctctttcaac ctttgtttaa ttatcgtaaa cccaacgacc 240

aattttcatt actctcttaa gatttttctt ttctaaaaga aacaacagtt tgaagtttat 300

tatacacact tgtgcaagtt gcttaacaaa gtcatagaat ttaaatcaaa aaaaacnatc 360

naaaaagaaa aaaaaaaggg cgggcgctct aaaaggattc aagcttact 409

<210> 15196
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-071-Q1-E1-G6

<400> 15196

cttcaatcga aaggtaaaga gtttgaagaa gtaagtcaca gagaaagaga agatgtctga 60

gaaaaaggga aggaaagagg aagtgattac cagagagtac accattaacc tccacagacg 120

ccttcacaaa tgcaccttta agaagaaggc accgaaagcc atcaaggaaa tcaggaagtt 180

cgcagagaaa gctatgggga ctaaggacgt tagggtagac gtgaaattga acaagcaaat 240

ctggagcaag ggaatcaaga ggtccaccaa ggaggatcag ggttcgtgtt gcacgtaaga 300

gaaacgacga tgaagatgcg aaggaagagt tcttctccct tgtcactgtt gctganatcc 360

ctgccagaaa ggctcaatgg tccttggnac naaaggtcat ncgangangg nggattaaca 420

ggaaaccnnt tcgaccaant tttnnttttg 450

<210> 15197
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-E12

<400> 15197

gtatatacca tcttcgagtg acatcattca tcacgaaaag aaactatagt gaatgcttgc 60

gctctgttgt tactgcagat aaaanagaga aaaaaagatg ctgaagaacc tacaaagtat 120

atgggttgtg gagactgtga caatctgagt cgctccatca cggtgcctgc tgctacagat 180

gacatagaag ttctgcagag gatttcaaag aagttgtttg ggtcattttg cttgggtaag 240

tgcgtctcag ctgctttgaa aagatggttt tgcagttgcg atttactgan gcatctatcg 300

agtccttcct cacatgcaag acgcagctta gttgaatttt caaattttat aaaagatgga 360

tgangactag tttgaaagat taaaatgagn ctgtggagaa ncnagttaag gnnaaagatt 420

gngg 424

<210> 15198
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-071-Q1-E1-E2

<400> 15198

ttttttggttt ttcatttaag tctattcaat catggaaacc ggtttaaaca tcttaaagct 60

atcgctatgc gtcagcctag tcgtggttgg atcatatgct caggctcccg caccatggaa 120

tccatctaat gggtttcgtc cggggacatg tgaccactac gagtgtccca cctataaatt 180

ggtagaggcc ggatacggct ttgagatccg catgtacgac gctgccctat ggatatctac 240

tagtcctatc ccctccctat ccatgactca agccaccaaa accgggtttc cgacgattaa 300

ataggtacat tagaaggaga taacaagagc aacnttgaan atgaacatgn ganggncggg 360

ggnttgnana agcaangncc nggaagatna ntctncacng gggnncaaac tgccccccg 420

agaag 425

<210> 15199
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-E3

<400> 15199

aaagaaagaa aaaccatttt aaaaatcttt ttatactaaa actccacaga tctcccattc 60

tgagatgcag agtgataata acaacaattg agaccaaagc aaaatccgaa actgtcaccg 120

ttttcctttg tcttcttctc tgccaaaatc tttcaatctt tatcttcttc ctttttcttg 180

tttttctaaa actttctcca tcttgaaaac caaaacaacc caagattaat aatatacacc 240

aatgggtact ggttggcgac gagccttttg caccaccgcc cctagaaaca gcgatgccgc 300

ggcgccggat ctcgacaagc aacgcaccgg ctataatctt accccaagtc ctagcccaag 360

aagctgcgtt aagctaagct tttctaaccg gggggaaagt aatcccntta antnccccgg 420

ntttaattcc ang 433

<210> 15200
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-071-Q1-E1-E7

<400> 15200

gcaaaaagac aattctttgt aataaatatc ttcaattcgt aaatgtcttg gcctttgtcg 60

ttttcaaact tcaacatcag catcacgtga ttggctaata caaataaaat tttctcttta 120

ttttattatt ttgccacaag ccgtgaaaag atggagaaaa tgaatgtccg ttttatgatt 180

gtgttgatgg taatgtctct ggttctgggt ttttcgtcgg cagttgattt cagatggagg 240

aaaactgcag gattctcaga tagattcacc aagagctgtt tcttcagtcg tgttcccagt 300

tcatgggcaa cgtttatcct cttgggtact anaatgtaan catcaacatn tgggcaacca 360

ccanngacct naatnacccg gntnttggga nnngggngng ggg 403

<210> 15201
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-E8

<400> 15201

ggaaaaattg aaaacctctc tctttctcat tttccctttt tttctcttta tctcaagctc 60

attcttcttc ttaataacta gatctctctt tctttcttct tatttttctc ttctcttctt 120

tagtttcgct tatctcgcgg ctctgaccag ctctcaagtt gttcgtttct ggttaatgga 180

tattgaaccc tcttgggatc ttgggggggt ggttatttcc ttttcgaaat tgcatgggaa 240

catcaaatga ccaaaccaat acnaaatcat cacattctcg tactcntctc cttctcttca 300

tcttcgtatc gctccttctc ntcagtagcc ttacaatcnc caatgactcg gtcatcagtt 360

nagatnnatg gttgncccnt caagaggggt ctccncggna anngtgagnt ccnaagggtg 420

aannaagaag aggggngg 438

<210> 15202
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-F10

<400> 15202

tacacaactt gtaacttcaa atagattact ttcaaagaag agagagagaa agaaagatgg 60

agaagaacat gaagtttcca gtagtagact tgtccaagct caatggggaa gagagagacc 120

aaaccatggc tctaatcaat gaagcttgtg agaattgggg cttctttgag atagtgaacc 180

atggattacc acatgactta atggacaaga tcgagaagat gacanaggac cattacaagg 240

acatgccaag aacaaaagtt caatgacatg ctcaagtcca aaggtttggn taatcttgan 300

gacagaagtc gaagatgtcg attgggaaag cactttcnac gttcgtcacc tccctcaatc 360

caatcctcaa tgncatttca aaantggtcn ngnatggnta caggnccgg 409

<210> 15203
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-F11

<400> 15203

acgtttgccn ggccccgtcc aaaattaaan gggtcgacgc ncgcgtccgc tccatntgga 60

gaatcactga ggcaagtana gtttcgaatg gttcagtttc taaacgggac agtctcagga 120

gttgcanaga agcttaggtc anattattct tccactacna atcacaatga aactcatgag 180

cgtgatggtg gtgtgtcact tgcttcgact aactgggact tactacacaa gcatcgtccc 240

agtcttacaa ggaagaaatc tggtaaaagc aggcttcaag tgatgactaa tcacgaacct 300

gacnatggaa actccccaan ggaagaagtt aatcannatc acactgacct aagtgattcg 360

tcttccntaa tctccaantg tgtcggngtt ttnacgcatt ctttgnctat aaagtgtcct 420

ttaaccggga atcctcngnt gcanatccgg gtagngaacc ccnanggtt 469

<210> 15204
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-F3

<400> 15204

gacgaataat cggaatcgaa aaattcgaaa aaggaactga gaagaaacag atctgaagat 60

ggagtgtgta tttggtctag ttgggaatgg attcgctatc gtggcggcgg atacatcagc 120

agttcacagt attcttcttc acaagaacaa agaggacaag atcatgactc ttgactctca 180

caagctcgtc gccgctagtg gtgagcctgg tgaccgggtt cagtttacgg ngtatgttca 240

gaagaatgtg tcactgtatc agtttcgtaa tgggattcct ttgagtantg ctgctgctgn 300

taacttcact cgtgggngaa cttgccactg ctttgaagaa agnatccata ttcgggtgaa 360

natccnggan gggtggctnt gncnaaacna ngcccggggn anctccangn gagnaggtgg 420

cnncagntgg gancgg 436

<210> 15205
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-F4

<400> 15205

ctctaagctc tttctctgaa cctacgcttc tgctaagcta ttctaagaga agccagacta 60

gcaataaacc cttcatttta agcattctgt ttccttcttg agaaacctag atattttggt 120

ttcttgtatc cggtgatgaa gatacagtgt gatgtgtgtg agaaagctcc ggcgacggtg 180

atttgttgcg ccgacgaagc tgctctctgt cctcaatgcg acatcgagat tcacgccgct 240

aacaaactcg ctagcaagca ccaacgtctt catcttaatt ccctctccac caaattccct 300

cgttgcgata tctgccaaga gaaggcagct ttcattttct gtgtagagga tanagctctg 360

ctttgcangg actgcgaatg antccaacca ngttgggcaa attcccgatt ttgcgaaatc 420

accanagggg tcttaancan tgggattt 448

<210> 15206
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-F5

<400> 15206

acattagggt ttataccagg aatggagaat tacagagtta aagatatacc agaggaagtt 60

gtatttgaag atttggactc tgttttccca aaggctttat accaaatgag tcttgcttta 120

cctcgtgcct ctgctgtttt catcagttcc tttgaagagt tagaacctac attgaactat 180

aacctaagat ccaaacttaa ncgtttcttg aacatcgccc ctctcacgtt attatcttct 240

acatcggaga angagatgcn tgatcctcat ggctgctttg cttgggatgg ggaagagatc 300

agctgcttct gtagcgtaca ttagcntcgg caccgtcatg ggaactccgn ctgaagacct 360

ggtggcnata gcacaagggg ttggggntna angccnangt gggccgtttg gttgggcccc 420

ggg 423

<210> 15207
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-F7

<400> 15207

acatcactaa tctctgcaat ttttactctc ctccttcacg tcttttcctc ttaatttttt 60

ctaggaaaat tctcaaatcc atctccgcga tacgaacaga gagaagaaga cttagaaaaa 120

tggctgttca acctacaagg aataggtcta gctggacttg ctgtgatggg tcagaaccta 180

ggctctcaac attgcaagag aaaggcttcc caatctctgt ttacaacaga actacttcca 240

aagttgatga gaccgtcgaa cgagccaaaa aggaaggcaa tcttcctctt tacggcttcc 300

atgaccccga gtcttttgtc aagtccattc agaagccacg cgttattatc atgcttgtta 360

angctgggtc tccccgttga ccaagaccat caaaaancct ctcggnntan antgggggna 420

anggngnnng gnnnattttc gg 442

<210> 15208
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-F8

<400> 15208

tctggcacaa caacggagtc aggttgtcgt ttccaanagc cgagtcttct ataaacatca 60

ctatgggttg tacgcttcag cgtgggatag caaaaagctt aagtcaggaa aacctagtgg 120

agttatctga tgaaaatgat gatctatgtc ctgtggagtg tgtcactgag ttcaagacag 180

atgatgaatt gcttagcgtt cttgaaaagt cgaaagaaac taattctttg gttgtggttg 240

atttttatcg cactgcatgt gggagttgta aatacataga gcagggcttc tcaaaactgt 300

gcaagcaatc tggtgaccaa gaagctcntg ttatcntcct taggcataat gtggtanatg 360

aatnatgatg nacaatcctg nagtcncann aaagggcccg tttcaagggg gggtcccccc 420

ctccaaattt gaaaannaaa ngggg 445

<210> 15209
<211> 206
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-F9

<400> 15209

ctaaagtagt aaannntaatg gnaacttcag ggtttaagca tttggtggtt gtgaagttta 60

aggaatgata caaaggttga tgagatcttg aagggcttgg ngaatcttgt ttctcagatt 120

gatactgtca aatcctttga atgggganaa gatanagaga gtcanganat gcttanacaa 180

ggattcactc atgcattttc gangac 206

<210> 15210
<211> 283
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-G1

<400> 15210

tctaagaaaa acaaaatcaa actcataaag aataatggga gaaacagaag agaaagtgaa 60

gaaccatgat aacaaagaag aggaacacaa caaggctgag aaagctgaga agaaggagaa 120

gaagaaggat aaagataaga aggataagaa cgaggacgat aaaaatggtg gaggagaaga 180

aggggaagat caagagaaga agagcaaaan aaaaagaann anaannanan aaaaannnaa 240

agaaggangg ncancaaaan agaaaaaggg cgggccncnc taa 283

<210> 15211
<211> 93
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-G2

<400> 15211

tgttacaatc aaactatggg atcgtgggtg ggccaaccaa gantccgcag caaggtggga 60

acgtttactg tccncgctgt tttctgncaa ttg 93

<210> 15212
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-G4

<400> 15212

caaggcaatc ttaacaactc gtttatgacg ggtcaggatg cgagcttcgg acctctttcg 60

acattgaatg ggtttgatct tcaagcacta nccgtcacag gtcagttacc tgcacagagt 120

cttgcacagc ttcaagccgc tggtttaggc cggcctgcga tggtctctaa gtcaggtttg 180

ccggtttcct ccattgtgga tgagagaagc atcttcagct ttgacaacac ganaacaaga 240

tttggngaag gggcttgggc atcacgggca anaaccccaa cagcanccac angntgnact 300

tacntcacgg gtgtccccac ggggtttaca annagcnagn ntcctaatgn ggtnaatcca 360

angagttant cnnnaagnan gatggc 386

<210> 15213
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-E10

<400> 15213

ctctctcaga ttcttcttct tcctcgcaga tcgatttttt tttgaagcta aatctcaaaa 60

atggagaacg acgcaggtca ggtcacagag ctctacattc caaggaaatg ctcggcaaca 120

aacaggaatg atcacatcaa aggatcatgc ttcagttcag cttaacattg gtcatcttga 180

tgctaatggt ctctacactg gncaattcac cacttttgct ctctgcggat ttgtccgtgc 240

tcagggagac gcaagacagt ggcgtggaca ggctctggca gaagaagaag gtcgaagcta 300

aacaacagtg agagacaatc tgacaatgtc ataagctcnt gtttgttttt tgaggtttcg 360

atttattaac tanngtgggc tttggcattg aantttgaaa atgttaggtt ccccccttaag 420

g 421

<210> 15214
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-B2

<400> 15214

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cgaatgctta cttcaagagg taccaagtga agttcaggag aagaagagat ggaaagactg 120

actacagggc aaggatccgt cttatcaacc aagacaagaa caagtacaat actcctaagt 180

atcgttttgt tgtccggttt accaacaaag acatagtggc acagattgta tctgcaagca 240

ttgctggtga cattgttaaa gcttctgctt acgcacatga actgcctcag tatggtctca 300

ctgttggtct tacaaactat gctgcagctt actgtactgg gccttctttt ggctcgccgt 360

gttttaaana tgttggnaat ggatgaccag tatgagggga aacttnnggg cactggggaa 420

nacattttcc ctttntgccc aag 443

<210> 15215
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-B7

<400> 15215

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ttctcgagcc acacaaacct gaccacatta catttcaatc actggacgag ggctttggtg 120

caatcgtaca agcttgcaag ggtctaagac ggctctctgt ctccggtctc ttaaccgatc 180

aagtctttct ctacatcggt atgtacgcgg aacagctcga gatgctttcg atagcttttg 240

cgggggacac tgacaaagga atgctctatg tgttgaatgg atgcaaaaaa atgaggaagc 300

tggagataag ggacagtcct tttgggaacg ctgcgcttct tgctgacgtg ggtaggtacg 360

aaacaatgcg attcctttgg atgtcgtctt gtgaagtaac actccggtgg ctncaaaaag 420

gtnncng 427

<210> 15216
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-B9

<400> 15216

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ataacacaag ctctctttga nggnagtcan actgggcntc gtgtacgatg atgggagatc 180

attcccnagc aacantgatg tttgtagtca tgcgcctcag aatttttag gagctcaatc 240

cagcttgcag agttcctctg ttgaaccang ttaacttcga tgtgttactg ggatatggtg 300

aagctactgg tcatatcaag cctttgcccg agaatccaaa tncnaaatnn acaatgacat 360

ccatcaactt gtttgccgaa gtccgcgatc tncctacccc ttaccatcta ttaantaatt 420

cctctgtgtc actggattaa agatgaagta gaaggtagtg gtgtctcctc cctttancaa 480

ng 482

<210> 15217
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-C1

<400> 15217

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cagatccaag gaattggagg aagaataatg tcggcaaggc atgggcaatc gtcgtatcga 120

gatcggagtg acgaattctt caaaattgtg gagactctaa ggagatcgat tgctccggct 180

ccggcggcga ataatgtgcc gtatggtaat aatcggaacg atggtgcgag aagagaggat 240

cttatcaaca aatccgagtt caacaagaga gcttctcata ttggtttagc tattaatcaa 300

acgtcgcaga agctatcgaa gcttgcgaaa cttgcaaaga ggacatcant gtttgatgat 360

cctactcang gagatacaag gagctgacgg taatcatcaa gcaagagatn nccggcccaa 420

aatntgnccc g 431

<210> 15218
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-C10

<400> 15218

ctctccacta ccatggcgtg tcctagagtg atttttctga ttctgatcac gttcttcatt 60

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gctcgaggcg gattctctgg tatgtttcca gattccagta ttcaagcata tcagttggtg 180

aatataacaa cttcaccaga cgtaatgctc tggtgtgatc ttcaactaac aaaggatggt 240

gttggaatct gctttccaaa tctgaagctt gacaatggtt ctaacgtcat aagaattgac 300

ccacattaca aagaaaggtt ttctgttgat ttcacatgga aggaactctc tgatgtgaaa 360

ttggcacaag gtgttgtctc aagaccatat atattccgaa gatgtnacct ccag 414

<210> 15219
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-C11

<400> 15219

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nctgagctat aaaaaccatg gcaaagatct ccttcgtact tttcgttgtg gnccttatcg 120

cctttctcca cgcttatgaa gctcgcaang tagtaaatct cggtgaagca tttgaaaaag 180

acttacataa agccgaggcc atgatcgcgg aagaattaaa ggctaacaaa annaacattc 240

aangtttgaa atctgaggtg aaaacgttga gcaaatcaag aagtgatgtt gaaggaactt 300

ggnaatgctt acaanaanga tatgggactt aaggccttac gannagaaac tcaaaaacnt 360

cagcaggatc gtaaccctca agaaagcncc tatnnanngc cnacnncaa 409

<210> 15220
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-C2

<400> 15220

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aaaacctttt ggcaggcacc ttgtgtaggt caagttgata actgaattcc aggatggaca 120

tttttccggc ggtttacttg aaactgccga tatccgtttt cgacggattg aatgcngttc 180

tggacaaacc gtgcaggtca agactaataa aggagacatt aaattttccg gttacatgtc 240

ccatacccaa ccttagagaa catgtgtagc ctttagctta cgcttccttg tgtgctgtta 300

tattgagtat gatatgaggt aatttttgcc tcctgnnttg taacacgngg tantnttggn 360

ccctntaaaa ntttgcgntn gnnaattttc ccaanagagg tnnancnngn ggncnggc 418

<210> 15221
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-C5

<400> 15221

ctttgcagca agctcgaacg attctgagcc gcctggaaca gcggctaggt tcaggttcgt 60

gtcttttgat tccagaacaa gtttccggat tcttccactc cgagagacga gaggaaactg 120

caaaagagaa cgagtttgtg taaagcagtt tctcttttt cttctgagtt tattgaattt 180

ggttaccttg tgaagggaaa aggtcgcaga gccgacttca atggttaagt cactcgtaac 240

gtccgagaca ggcctggaac aacagagaga tcagcaacat tttgaggaaa gaagagatga 300

gttagtgaaa gagtaccatt gaggagtgtg tctgatactg gaacttggac gaaacgctct 360

tttagcaagc aacacnttgc ttattagact caagaagcat tanaacaccc aattggntnt 420

tantaang 428

<210> 15222
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-C6

<400> 15222

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ccggattcaa accattgatc tgaagatcat ctataaacca gtccttgatc tataaactaa 120

aataagggaa gaaaaaaaca agagagagaa atagagaatg aagtcttttg cggctaaggt 180

agaagaggga gttaaaggaa tagacggaaa gccgtcggta ggtccggtgt accggaatct 240

tctgtcggaa aaaggttttc ctccgattga ttctgagatc accactgctt gggacatttt 300

cagtaaatca gtggagaaat tccctgacaa taatatgctt ggatgggcgt cgaattgttg 360

atgagaaggt tggaccatat atgtggaaaa angtnnangg gngtttncan nnagtttttt 420

ncnagtgggg ccgggccgg 439

<210> 15223
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-D1

<400> 15223

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ctgattctaa aagattggca gttggggctc aaataggatc acccaagaga tctgttctcc 120

caagaatgtc cactttatcc cgagaaacat catttaaggg cttagagaag ccaacgagaa 180

agctagctca ttactcatct ttcaatagcc actccagtga tgacacagaa agcacacgat 240

ctactgactc acagctccaa gtcccctaaa ggttccgttt ttgaagtcca attcgtttaa 300

ttctttgagc tctagatcaa aagtgagacc agtgggatga tgatatgctt ccacgacaga 360

ngactgggaa tggnaaatcc tcccttgaag ttnagggagg ggtt 404

<210> 15224
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-D11

<400> 15224

gagcttatca ttgagtaatc atgttcctcc attaacgctc ttgagccatg aacgaagaat 60

cctcaagctc caaagtcgat cgtctattct ctttcaccaa ctcttccaca ctaagttcct 120

tctcctgtcg aattcttcct ctttgtcttc ttcacatgga gttgttgcta tttcggcatc 180

tccgtcttca gtcgcagttc cggaattaga agacgaggac cacttcgatg acgaattacg 240

tcgtctattg gcgctcgtac cggaggagat acgccagaca ccgaaggagc accctgaaat 300

tagtgaactc atagagatag tgttggattt aggtcgtaaa cntctggcgc gattcccttc 360

aggtgacttt gntatctccg aggatgctgt tagagttaaa gatntggaan tccctggg 418

<210> 15225
<211> 85
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-D12

<400> 15225

gacnaggtcg ccctccgtga ntgtgatcnc gaggtggttt cggtgggatt tcagctgctc 60

gcactcttca ngatgcttcc tttca 85

<210> 15226
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-D3

<400> 15226

agagaaaggt tttggagatc gagaccaaac tccgattgaa agaggatgca ttcttttggt 60

tacagagcga atgctctact cacattcgcc gtcacgattc tagctttcat ttgcgcgatt 120

gcttccttct ctgataactt cagtaaccaa aatccctctg ctcagatcca gatattgaat 180

atcaattggt ttcagaagca acctcatgga aatgatgagg tcagcttgac actgaacata 240

acagctgact tgcagtcact atttacttgg aacacaaagc aggtatttgc ttttgtagca 300

gcagagtatg aaacctccaa gaacgccctg aatcangttt cactatggta tgccataata 360

ccangagaaa gagcatgcca aattctggat acaaatctca aacaagttac cgtttcataa 420

gattagggnc antag 435

<210> 15227
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-D4

<400> 15227

atcatggaag tctttctgac cgtatcatga gctattacgg ggattctccc cgaggaatgg 60

ttgaatctgc gtttgagttt gcaagaatat gtcggaaatt agactatcac aactttgttt 120

tctcaatgaa agcgagcaac ccagtgatca tggtccaggc gtaccgttta cttgtggctg 180

agatgtatgt tcatggatgg gattatcctt tgcatttggg agttactgag gcaggagaag 240

gcgaagatgg acggatgaaa tctgcgattg gaattgggac gcttcttcag gacgggctcg 300

gtgacacaat aagagtttca ctgacggagc caccaagaag anggagatag atccctgcaa 360

ggcgattggc taacctcggg acaaaagctg gcaaacttca acnaaggggn tgccccnctt 420

ntagaaaaac aannng 435

<210> 15228
<211> 378
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-D5

<400> 15228

cgtggggagc nacacnacct tcatcaaact tcttcataac aaatcacatt tctctctctt 60

ctctgcttga atccattaca gagggattgt ggagtggttt ggtttgattt gatttcgatc 120

tgtgacaatg gtggagacta gtatcgacat ggaggaanga actctcgaga tcggaatgga 180

ntatagaant gtctccggag ttgctggacc tttgagtcat ccttgacaaa gtgaagggtc 240

nanagtncca gcgagattgt taatattcgc ntatgagatg ggatcaacga ngacgtggtc 300

aggtcttggg nggttgattg gggganaaag nctgtngtcc cagnnttttt gaacngaatn 360

atcctgggga gttganna 378

<210> 15229
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-B1

<400> 15229

atctctctta ttttgtgagc tttttagatc ctcctttctt catcgtttct tttccgaggt 60

ttcaaattcg ttcaatttct cgattgaaga tacctgaaat cgcgttattc taggtccgcc 120

gctgttggat ctgcaaattc cccttcgaat ttgaacattt gtgatttcaa attcttcgag 180

aagatgagcg cgaaaaagct tgaaggttcg tcggctccgg cgaatcgacg ggatccgtac 240

gaggtccttt gtgtatcaaa ggacgctaat gatcaagaaa tcaaatcccg cttacagaaa 300

attagctcnc aagtatcatc cngataagaa tgcgaacaat cctgatgctt ctgagctttt 360

caaggaagtt gcattttcgt aagaacantt ttgtcctgat tccngnaaaa gaagaaaggg 420

ctg 423

<210> 15230
<211> 62
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-071-Q1-E1-D9

<400> 15230

gagctcgaan tcagacactg aagatctgca aaggttggtg gatcagtgct tagagagcaa 60

tg 62

<210> 15231
<211> 282
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-D11

<400> 15231

ctcaaannca cactcttctc tctctcntcn tcttcttccc ctctttcaat ttttttcaga 60

ttccgagtan antccctaaa tctccgtctc tctgtttctc tcttctctca agtctcagct 120

atgaatcctt accagggttt antcggttct gtgtttntca ctctgcattt gcttctgtgg 180

agtagataga ttcttcaggg ctaaatgagt cattttctca cnttctgctt cctctcaatc 240

cttcgnctcc nccacggtgc caangccgtc ancgagcacn ga 282

<210> 15232
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-D12

<400> 15232

aatctaacat tactctctca acacatctct ctttcttctc catttccttc ttctctttca 60

ttctcttatt taagatttaa atctgctcaa atgcttgtaa acaaatttca agttctttaa 120

acgatttcct tttcaagaaa aatccttctc cttcttcttt ttaccacata gatcttcttg 180

atctacaatg gattctgttt ctctttctga ggttactgtc attaaaggaa caacacattt 240

gggttttatg cacagtttca gacagccatt ttgtggtgtc aaaatatctc caaagttcta 300

tttatccaaa gttgatggac caaaggcaat atcttcgagc agcaacacaa agagtcaatt 360

tgtttatgga ngaggaaagc atanctgcaa acttcaagan tcaaggttat aagatgaa 418

<210> 15233
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-D2

<400> 15233

accttgccgg tgncccgtcc aaaataangg gtcgacgcac gcgtccgcaa aaaacctaga 60

tccacaacaa tggcggaaga gaagaaatcg aagcagagac atcgagtcat ggtcttcgaa 120

tccatgtatc ccatcctcgc tcttatgctt atactcgtcg cttgcgtcga gctttgcgat 180

gcagctactg ttgtagatgt ttatcgtcta atccagtacg atatctctgg tgttcctttt 240

ggttctcgtt tctcttctct taatcatcat gctgnttctc ttagcttcca acgtggtgcc 300

cgatctatct cgttctgtac ttatacttcc tcntcgggag cttgacattg cntttgttca 360

agattacatc tcgnaaaagc aatcgcttgg tggattgttg anttttgcnt cctcacacgt 420

ttaaggcctg ggaatgtttg tgggtgggaa gttttaanct ctgaaaaatg atggggttna 480

aggag 485

<210> 15234
<211> 69
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-D4

<400> 15234

acctgtcggt ttgcttgang tgatcccgca gcacatcaac tggcgtccgc cttcatactt 60

tggtcgtga 69

<210> 15235
<211> 333
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-D5

<400> 15235

cattcttccg ggaagaggaa aaggtttctt cgatcgtcga agagattctt tggacaagtc 60

ccctccttcc tggttcaatc ttcgattcag ctctctttta attttttttgg ttttgggaag 120

ctgctatgtt atttgagagg cttaccaaga aaccaccttc gcttgttgat ctttgcgtaa 180

ggaaagcgat tganaangta aagtacattg gatatgttgg tggggttgat tttcanctcc 240

ttnanncana ttctgcanca ctgtanccta naacagctna agcacataca ggatgctacn 300

gacgncccag atcttagtcg agntcaccna gga 333

<210> 15236
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-D9

<400> 15236

aacacaaaaa tcgacatggc ttccaagtca ctctttcttg ttgccttact tgtcggctct 60

tttgctttca cttcatttgc cagtgtcgct aacaggaagc tgaagagtgg tctcgaggac 120

caaaagacat tcttccacca tccaggcgga ggtctcggtg gaggaggcgg tattggtgga 180

ggcagtggtc ttggtggagg aggcggcttt ggtggaggag gcggtcttgg cggaggagct 240

ggaggcggtg gcggtttagg aggaggcgga agcggtattg gtggtggttt cggtggggga 300

agccggttcc nggaagttgt ttcggttgtg gacancnttg atgaanaact atganatttt 360

gacgttaaaa ccaatggnnn tggaanngca tgggcaatgg ggttttaacg ttcccaaagt 420

tcttag 426

<210> 15237
<211> 115
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-E1

<400> 15237

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tgttactggn cccgccggtt atattcatga agaccttcct catttctccg acnac 115

<210> 15238
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-E11

<400> 15238

ttcttctttt cttcntcttc ggttgctaan tcnaagatgg cgactgntct ggtttctcct 60

cttacttcac aactcaacca tgaagctgtc tgttccaagt ttgtgttacc caaatcgccg 120

ttcatgtcgg gatctaagct cttttcatcg aacatgcctt gctctactgt tcctagacgc 180

acaagaagat cacactgctt tgcttctgct aaagatatga gctttgacca tatccctaaa 240

taatttcgtg gagacaatct caaagacnga gtgatgcacg aacttcaaga acgtaccaca 300

atatttttac gggcttaant cagctcagat ggatatgttc atgacataag atagccctgt 360

cngtangcag cggaaanaag ttatangaag gaaagcaccn cgt 403

<210> 15239
<211> 153
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-E2

<400> 15239

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gaaattaatc ctcatattcc gcantatatg tcatctgctc catggtatct taattctgaa 120

aaaccgagtt tgangcatca ntgggaaatg gaa 153

<210> 15240
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-E3

<400> 15240

nnnggnnnnn ngnantgtta ccctgccgtn ncggtccgaa attcacgggt cgacccacgc 60

gtccgcggac gcgtgggctc ttccattcaa atctcacatt ccctcttcac aacaacaggt 120

tcgtattcgc tcatcttctt cgcnttctga tcttggaaat cgcaggcatt gttcgtctac 180

tcgaggattt caattttggt catacaagag aagcgaagca gcgtcgccgt tcaagacgag 240

gtacagagaa aacgaanaan aagaagatat gacgattaaa ccggcggttc gtatttccga 300

cgggaatcta atcatcaaaa accggacgat tctaaccggt gtaccagata atgtcatcac 360

gacgtcagca tcggaagctg gaccggtaga aggagtcttc gtcggagctg tatttaacaa 420

ngaagagagt aaacacatcg taccgatngg tacgcttcgc aattcccggt ttaagtcctg 480

gttccggttt aagctctgg 499

<210> 15241
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-E4

<400> 15241

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ttatccacag tccacacaca gcgagactct atttactcgc cggcggaaga acaaaatggc 120

gggaagagcg attttctctg tatcttgttc atctactcct tccttgtgta tcccttattc 180

aactgcttcg ttttcatcga tgaatcgact ggcgctcccc gccgtccgga tttctccccg 240

aaccaacaga tttcccagga ttcactgctc tatgtctgct aacgacatca aagcggggaa 300

ccaatatcga agtcgatggt gctcccttgg ccgtgttctt ngagtttctn catgttaaac 360

cnaggaaaaa ngtgggggca ttntgttgag aactaaggat nanggaaact atgtgaannng 420

gnaggcacan tccnangagn aacattttcg tgctgggaaa ttnccgttna anggaaggnc 480

a 481

<210> 15242
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-069-Q1-E1-E6

<400> 15242

gaannnnntc tctttgtcnt tgcagatgcg acacgcaaaa cgacnattcn gatcncgctt 60

gtctgatttc aaaaacaatg agaagatagt tctgattata taacacacaa accctacttc 120

attccttcat catcgtctcc aatcattacc caaagatccg tctttttctt tacttcatgt 180

cgaagcaaac gtacaaagtg tgtttctgct ttcgccggag gtttcgttac actgcatcgg 240

aggcancgcg tgagatcaag accattttcg aaaagtactc aganaatgga gttatgaccg 300

ttgatcatct ccacaggttt ctgatcgatg ttcaaganac aagatnnngc cnccagagan 360

gatgcacagt canttatcaa ttctgcatcg ngc 393

<210> 15243
<211> 130
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-E7

<400> 15243

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tggaancggc cgtgtgacaa tgaggaagac tgttgccang ctaaagggcc cancaggcaa 120

ccnatggtac 130

<210> 15244
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-E9

<400> 15244

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aatcatcttc tccacaacaa aaaaataacc ctaatttaca cagaaaatat gtggggaatt 120

ggaggaaatt actactggcg aaagaaaaac aacaacggag gagaaagcga agcgatcgtt 180

gtggtattcg cttggatgtc tagcgaagaa cgcattctaa atgaaccatg tcgatctcta 240

ttcttctctt ctttgggatt ctctcgtttg ccattctcaa tttctcaaca tgtntgtttt 300

catctccttc tctcatctct ctgttttcta atctctctgt ttcataaatt gaattctctt 360

ttgattcana caggtttctt ccangatnna gccgcagant tagcttctaa atgttgttt 419

<210> 15245
<211> 143
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-F10

<400> 15245

nctgctcgcc actgtcgagc aagatctttc ntcatcanta caaanggccc tacatgccac 60

caatgagggc tttggtatcc gctgatcttt tgagaaaccc tgatgtctga tgttagggtt 120

tctgttgtct cnngcttgac cga 143

<210> 15246
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-F2

<400> 15246

acttttccct gnccgtccaa aattaaangg tccgacgnac gcgtccggga aaangaaggg 60

tgacgttttt cacattgatg gcaataatgt ctctcctctt agccttctcg ttagtccatg 120

gaggaggaga gtctggaaca ccttctaatg canccgctac cccgactagc ccaaccgaag 180

gatccagtgg ttcaagtggt tcagctcatg gacctaattg gggatatagt tggggatggg 240

gttcagcccc gggaggtggt tntggctatg gttcnggttc gggttcggtc accanatgga 300

ngaggaaaag gggctggatt cgggtttggt tcggggtcag gttcangaac tggatttggg 360

tctggctcgg ganggaggan ganccacaga ccgtggttct ggccacngaa gtgggacccn 420

ncannctggt taaangngnt tgctcccgga agttggaaat tggngaangg attccctggg 480

gcccang 487

<210> 15247

<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-F3

<400> 15247

nntggnnnnn nngnanggtt accttgccgt gccgtccgaa attcaagggt cgaccnacgc 60

gtccgttctc catggctgtg attcaagcca atcaggttct tgaagatcag agccaggtcg 120

aatccggtaa ttttgggact tttgttggtg tttacgatgg tcatggtggt cctgaagctg 180

ctcgttatgt ctgtgatcat ctctttaacc attttcgaga aatatcagcg gaaacacaag 240

gagttgtgac gagagagacg atagaaagag cctttcatgc gacagaagaa ggattcgctt 300

ccattgtgtc agagctgtgg caagaaatac caaatttggc aactgttggc acttgttgtt 360

tggttggagt gatatatcaa aatactcttt ttgtggcaag tcttggagat tcacgggttg 420

ttcttggaaa gaaaggcaac tgtggcggac tctctgctat tcagctgtcc actgaacaca 480

atgccaacaa tgaana 496

<210> 15248
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-F4

<400> 15248

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cgtccgattg ggtgacattg ttcctgctga tgctcgtctc ctcgaaggag atcctttaaa 120

aattgaccaa tctgctctta ctggtgaatc ccttccaacc accaaacacc caggagatga 180

agtattctct ggctcaacct gcaagcaagg tgagattgag gctgttgtca ttgccacggg 240

tgtccacacc ttttttggca aggctgctca tcttgttgac agtaccaaca atgttggcca 300

tttccaaaag gttttgacat caattggtaa cttctgtata tgctcaattg gattggggat 360

gttgattgag atattgatta tgtaccctat ccaacaccgc acatacagag atggtattga 420

taatctattg gtgcttttga tcggaggaat cccaatcgcc atgccaacag ttttgtccgt 480

aacaanggct aatggatt 498

<210> 15249
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-C8

<400> 15249

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ttccgctgga naaaccagtg aagaagttga tcnaccttat antccatgcc attgctcngg 120

ctcttgggat atttggcatc tgtgcacgcc tttaagaanc acantgaaag ccatatccct 180

aatctctana gtctccattc ctgnattggt attggagtca tttctcttta tggcttccag 240

tgggtgtaca gcttcanang tgttcttctt cccagganga tcaacacnat ttgaaaagcg 300

gattgcttcc gtggccacgc aatgcttggc ctgtttgttt acntacttgc tgtcgggaat 360

gcagctttan ggtttcaggg aaaangctga cnttcnngaa aattggangg gctgng 416

<210> 15250
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-A12

<400> 15250

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taaaaccgga gggagagaaa aaacataaaa agcaaaaaaa aaggtaaaat caaaaagggg 120

aaaaatatat aacaacaaaa aaaaaaaagt tagaaaaaat ggcagtagga aaggttgtgg 180

tatctgtggc atcactcctc ctagtggtgg gtgttgccat aggagttatc acgttcgtta 240

ataaaggagg cggcgccaat ggcgacagta atggtcccat aaactctcat cagaaagcgg 300

ttcagacaat ttgccagtca accacagacc aaggttcgtg cgcgaaaaca ctcgacccag 360

tcaaaagtga tgatccaagc aagctttgtt aaagccttcc tgatggcact aaangacgcg 420

at 422

<210> 15251
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-A4

<400> 15251

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aaaggcggtg cgatttgtta ttacaagcgc agggcttgtt ggatccgatg gtccactgca 120

gtgtggagct tttgacatag ctttcatgtc atccttacca nacatgatag ccatggctcc 180

anccgangag gatgancttg taaatatggt tgcaactgct gcttatgtca ctgaccgccc 240

agtatgtttc cggttcccta gaggctccat cgtcancatg aattatcttg tccccactgg 300

attaccaatt gaaatcggaa ngaggaagag ttctcgtana angtcaagat gtggctttac 360

ntggttatgg ancgatggtt caaaaattgt cttcatgctc actcncttct ctccaanact 420

cggtttgaaa cncgactggt acctgnggca agatttttgc aanaccccta gnacatcaan 480

ncttggg 487

<210> 15252
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-A5

<400> 15252

cgnngccgta gccgtcnaaa gtcaanggnc cgggtcgacc cacgagtccg ttaagcttct 60

ctcacatttc tctttcaaat ttcttcgagt ctctcncgct ctctccgttt cttcgcggtc 120

tctctctctc agatctctcc gaaacattct tcgtagtgan gcaaaatggg gttgagtttc 180

gccaagctgt ttancaggct ttttgccaag aaggagatgc gaattcngat ggttggtcnt 240

gatgctgctg gtaagaccac aatcttgtac aagctcaagc tcggagagat tgtcaccacn 300

atcncnanta ttggtttcaa tgtggaaact gtggaataca agaacattaa gtttcaccgt 360

gtgggatgtc cggggtcagg acaaagatcc gtcncttgtg ggngacanta nttcnaanan 420

a 421

<210> 15253
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-A7

<400> 15253

atctccggca acaaacgcgc cggagtcaag attttgtctc tcaactgctt ctcctttctt 60

tccccattgt aaatttctaa actttagcca gaaattgacc caanacccta aaatttgtgt 120

ttttggttct ccgacctaat aatggaggag tctcgaggat cttctgatca agaagatgaa 180

caaattgttc aagtcaggga agctttaatg tgtcccgacg gtgaaaagtt tgaatcttta 240

cgaacggcga ggttcttaaa ctacacaacg gcatctatcg acgacgatgt ctttgacctt 300

cctctcgatg cgtttgtgtg tagaccaccg gaagggtttg atccaacggc gaagatctcg 360

tttccagggt ggggaactcc gtcgttgaac tggattgagt gggttaatgt aatggctaaa 420

g 421

<210> 15254
<211> 94
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-A8

<400> 15254

ttatcnggcg acaggactct tacncgttta ttgcatacga agacgctcaa tgtntccgag 60

gccaggacga aagatctggt accgtatcct gnta 94

<210> 15255
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-B1

<400> 15255

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cgattggnat ctctcgctcc gtccntcctc agatctgatc gtccgccggt tttcacgatg 120

ccgtcttcct cctccgccgc cgtcctcgtg ttccttcttc tcgtttccct tctcactcct 180

acgttcgcat ccgattcaga tcacaaggta agactcggat ctccagtcgt tttttctttt 240

cttttaatgc agctcgaaat cgagcactgt gtccgtagat ccgtgatttg catggtgttt 300

gcgattgaat ttttttttcan ggatctgttc gtttacggat tgctangatc ctcgagcttc 360

tattcattgt gatttangcg tatcctttcg ttgcaagtct aggcgtaatt tgtcnaatca 420

ttgtgattta ggcntttcac aatcctcgat tttaaaaang aaantttgan ggntggnttg 480

<210> 15256
<211> 281
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-B11

<400> 15256

tattttagat tgatacgtca aagctcctcc tcgcgcacgt tagctaaagg aatgtcttgt 60

actctttttg ttgttgttgt tgacttttttg aacaaagaaa gaaactaatc aaaaagacna 120

agaggaagaa gaagctcanc gtttctatct ctcattttan ccacngatct tcgccgattg 180

cgtcttgctt ctcgtcgtgt gcttccgatc tctcnctgga ttttctnaat ttcgtacnga 240

ctangtnaat tgtgtnnaaa ggagtttagt tgatcantgt t 281

<210> 15257
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-B12

<400> 15257

ccataaaacc tagtagtgga aacatgacta agaaagtaga gaacaacaga gaagcaagca 60

gaaagtatcc tcctagaagt agagaatcat cttcagcaat ccaaaaccaa ttcatggcat 120

taacacctct acgtgatata gttagccagg ttgctcatga tcttagcatc ggtgaggtca 180

tcaatttcag acataaagga gataatatgt tgcgggtctc agatttggga tccaattgtt 240

gtggggttca agatttactg gctccaagca gtaactatga tcatgacaac atcagtaaca 300

tttcgatgaa aataaatccg catataagaa aagaagctgt aacattttcg tcatatgatg 360

gttatgctca tgacaacttt ggtataatca agttttagta naagtacata tatngatgag 420

t 421

<210> 15258
<211> 75
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-B2

<400> 15258

ctgttgtatc tgagnaaagt anatcagaga aagcctactg tacctgtaga caagaaccnc 60

actgatcgat ggaaa 75

<210> 15259
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-B3

<400> 15259

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attctcgaag ctcgaanaaa gagacgaaaa tggcactgag aaatgcaatt cttcgtcacc 120

tgagggttcc ggtgcaaacc ctagngattg aatcagtcta aaattgggtt ccttggtacg 180

atccggtcat tttcttcgca cgatgatcat cttancagag aagctgtcgt cgatagagta 240

ctcnatgttg tcaagagctt ccccaaagtc gatccctcna aggtgactcc tgaggttcat 300

ttccaaaacg atttgggatt agatagtttg gacacagtgg agatagtgat ggctatttaa 360

gaggaantca agctggaaat tccagacaaa gaagctgacc agatcgattc ntgctctctc 420

gccantgaat acgtttacag tcatncaagt gtccangcct aancgccggt gtgctcgcct 480

cntgggntt 489

<210> 15260
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-B4

<400> 15260

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cttctccaag aacanaanan aaaaatgaat tcagaatcgc tagaaaatct tcaccgtcca 120

ttaatcgaat catcgaagtc gttcgtcgat tatcgtctcg agactgtgtt aacagatcga 180

gagttaccgt attttcgccg gatttatcta gcgatgatga ttgagatgaa gtttctcttt 240

catctggcgg ctccggcgat ctttgtttac gtcatcaaca acggcatgtc aattcttaca 300

cgtatcttcg ctggacacgt aggaagcttc gaactcgccg ncgcttcact tggaaacagt 360

ggtttcaaca tgttcaccna tggacttctg cttggaatgg gaantgcagt ggaaacanta 420

gggtnggcng 430

<210> 15261
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-B7

<400> 15261

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tgcgtaaatg gcggcagctc ttgtacgcag attctgccgg ggatcatctt ttccggtctc 120

tggtcatgga tataggatgc tatcgacggt tgaaaatgta tctgaaagtg gtaaatcgat 180

gaatctatac tctgctatta atcaagctct tcacatcgct ttagagaccg atcctcggtc 240

ttatgttttt ggggaagatg ttggatttgg tggtgtcttc cgatgtacaa caggattagc 300

tgaacgtttt gggaaatctc gagttttcaa cactcctctc tgcgagcaan gcattgttgg 360

ctttggcatt ggtttagctg caatgggaaa tcgagttatt gcggaaattc agtttgccgg 420

a 421

<210> 15262
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-B8

<400> 15262

aancattnag catanaccat gtttcttcan ccgacgacga tgttttagcc gccgaggaga 60

aacctctccc acagacgcan aagcgtctgg tttctccagc tcagtctttt cctccaaaga 120

ggcagagatt tgagcaggac ganagtgttg agaagctacc agatgctctg cttcttctgg 180

agtcaccgac actcgctcac gtgactggcg gagaccatgc ttccgttgtt gcagctgcaa 240

tggctgagag tgcattaang aagagagact tgagtgggaa tgcttcttct cttcctcgtc 300

gtcgcaagct accaagagga aatttgcctc attcanagaa ttanccngaa nctttgggta 360

actgtgcttg tgcngtcntn agctna 386

<210> 15263
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-C10

<400> 15263

gagatggaga atggagcaac gacgacgagc acaattacca tcaaagggat tctgagtttg 60

ctaatggaaa gcatcacaac agaggaagat gaaggaggaa agagagtaat atctctggga 120

atgggagacc caacactcta ctcgtgtttt cgtacaacac aagtctctct tcaagctgtt 180

tctgattctc ttctctccaa caagttccat ggttactctc ctaccgtcgg tcttccccaa 240

gctcgaaggg caatagcaga gtatctatcg cgtgatcttc catacaaact ttcacaggat 300

gatgtgttta tcacatcggg ttgcacgcaa gcgatcgatg tancattgtc gatgttagct 360

ccgtcccaag gctaatatac ntcctccaan ggcctggttt ccc 403

<210> 15264
<211> 375

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-H9

<400> 15264

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cannatccac gagagaaaca gatagaaagt tgcaaaagtg cgttcgattt ttgcttcttc 120

ttctgtttcg gattcggatt tggatttgga atctgcnccn ttagcagaac cagaggaaat 180

ggtgacgtac gtgagcgcgt tgttctacgg attcggaggg atagtcgtcg ccggagtggc 240

gctgctcgtg gctttccang agaagcttgt gtacgtccca ntgcttccgn ggtttaagca 300

aagtcttatc cgatcactcc ccgctangnt cantctcatc tacgaanata nttgggcttc 360

aaatcatccg nttgg 375

<210> 15265
<211> 225
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-C11

<400> 15265

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caccaatgtt ccaaggatat taaaaccaat gtagtagtga cagtgttacc catttttaac 120

atttctgtcc atttttttcca tgtgaattan ttgtatcaaa cgaaaaagat attacaaaga 180

tgaaaaatta aaatgccaat aattatataa aaaaaaaaaa aaaag 225

<210> 15266
<211> 74
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-C12

<400> 15266

aatnagtaga gattatgagg aaattctcng ancaatatgc tcgtcgctct gggacttact 60

tctgtgttga taaa 74

<210> 15267
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-C6

<400> 15267

tcgaatcttc tctctgagta aatcaatttc acaaattcga ggtttttggt ttttagctta 60

ctacactact ccaagaagaa aatcncaagt taaagtcatt tcctatcaaa tctcttttca 120

nggnggctgc cattctcgtt tctcctgttc gctaaattgc gtcantttca ttgaagctta 180

ctanaaaagc ggcgtagatc tgtgattcta ctcantgcat ttccgcgttt gtgaggagaa 240

agagganaag atgttgtgtg cttgttcagg cgaacaattc cggttcgagg atgagcccgg 300

ttcgccggaa tccctancta caagagattt cncangccan tggacttncn tcncgaatcg 360

gaggganggcg attgggattc canantggan canagcnngt tcgatggaag ct 412

<210> 15268
<211> 184
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-C7

<400> 15268

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ggtgtggtcc atgtcaagct tagggtacca atactcaatg aagtgagtga aacactgaaa 120

gatataattg cagttgtgan aattgagacg gagaagttcc caagtcntgc naacnaatac 180

caga 184

<210> 15269
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-F3

<400> 15269

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atgtaaacca ttagactgta gtaatcttca agagaaagac tttacagttg caagaaacgt 120

tagtggggct ttacaaagtg atggtcgccc tgtggcgaca agacgcaccc aacaagagca 180

attactaaac tggcagagaa atagaaggat gcttgcttat tccacagttg gcactcctga 240

ctatattgcc ccagaagttc tgttgaaaaa aggatatgga atggaatgtg attggtgggt 300

ctcttggcgc cattatgtat gaaatgcttg tgggggtttc cgccctttta antcagatga 360

ccccaatgac aacttgtagg aaagatagta aattggagaa attacttgaa attcccagat 420

ng 422

<210> 15270
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-F6

<400> 15270

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accagttcgt gttcttgtta ccggagctgc aggataataa atcggattgg ataaccggcc 120

aaacatgttt cacatctcat gggtcgaatc nccggtcccc tccggtttaa aaatgatggg 180

ctaataacaa aagtcaaaga ctcaaaaaag ttgttagtta agtctgcgtc gagatcactt 240

gcaancaatc aanagnttca tttcaatctt cggtgaacan tcaatctcga ngaangacna 300

anatnaanat tttcaatttc tctgtaatct tcgnttcntg cgangccaat tctcnatgtc 360

naggtaanna aggaaanaag tcntgggtga nagnagaaga attgtgg 407

<210> 15271
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-F7

<400> 15271

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gaaacgagtt tcgcggttag atttttcttt atcgcttacc ggcgaggatg atcgtttctt 180

cggtaaggtc gattaatcgg ttctgttttc gaagatgttg ttgttagagt tagatccgca 240

tggttttggt gatcgttttg gatcgaagac gtggttccac agacgcaaaa aatgccgtcg 300

tctcttgctt tgagatttgg cttctgaaat ctttcctctt tcgttctcgt tgaatcctaa 360

tttttgtttt gtctttttta gaaatttttg gtctttcgaa tcctgggggа aang 414

<210> 15272
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-F8

<400> 15272

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aaccaanatg ggaatccaag ctccacgctg gacctaaagg gtttcaatct tctanaacct 120

ctgaaaaacc cggccggnca nacccggacc cggaagacga tcccccgata cctcaagaan 180

tgttcgagag gatgatgggg aggattgtgg tgtctgtggg aacaccactg ggcttggnag 240

tggcgatctt gaaagtactc gangttttga aggatagaaa cgtctgggac gtgcctttgt 300

gggttccata cttgaccaca ctcgtgacct ttgggttcgt cggctcttgg gattgcgtac 360

ggaancttgt ccacananct gnacccggcc aagactaact ctctttttgg gctcaag 417

<210> 15273
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-F9

<400> 15273

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gaagccaagt tgactcttca tgggcttgtc cagcactata tcaaactgag cgagatggag 180

aaaaaccgga agttgaatga ccttcttgat gcgttggact tcaatcaagt tgtcattttt 240

gtgaagagcg tgagcagggc tgctgagctg aacaagttac tggtggaatg caatttcccc 300

tcaatatgca tccactctgg aatgtctcaa gaagagaggt tgactcgata caaaagtttc 360

aagggaaggg cacaanaagg attnntgtgg cgactgactt ggtaaggaag 410

<210> 15274
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-G11

<400> 15274

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acggatgtta gtctgatcaa gaaagatgat ggggtttctc gacggagctt gagttccaag 120

cagaagacga gaaaaactgt ccggacttct cgtagtaaga tccgtgttaa gcagaaggtg 180

attaaagagg tacttgagac taaggatttg gatgatgagc aagatccaca anttccattg 240

acaaatgcta cttatngtaa gcttcttggn ccctttggat cactaagang ataaaagttc 300

ttgaatggag cccgcatana anatctggga cttgcgacac gaaatcagan tttaaacccc 360

ttgtttggnc aaaggaattc gtccngccct tttnc 395

<210> 15275
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-G12

<400> 15275

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gcttttcagc ttattagagc ttggggacaa tcccaagatc ttacttatct tcctgttttc 120

caccagactt atatnagctt ggaaggngaa aatggattac acgctcgagg tgaagagaat 180

tcantgccgg gacaaagttc tctggagtct cttatgcaac ggcctgttcc agtgcctcca 240

cctggtagct atccggttcc taatcaagaa cangctcttg gggacgatga tggtcttgac 300

tataactttg ggaacttanc nataaaggat aanaaagaac acgattgata ttacacggnn 360

cagcctcgaa ttgcnctcna gcatttgaat actgaacgaa agccaaatca caccaganga 420

cgatcnancg gttagcccng anngg 445

<210> 15276
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-G3

<400> 15276

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cttcggcgat cgctgctcan aagtttgatt tcgatatcaa gaatcgtgat agaanaaatg 120

cgacacaatt gttgccatgt ctcgttcgct tcgattctca agatccntaa ttttctccaa 180

gctttcatcg gtatatcaat cataatcnac tcgatttgga tgctcgatca atacaatcat 240

cacgttcccg ttgaccctcc tccgtctcaa gcctccggca gcttcatcan cgggattctt 300

cttattcctt ctctaattca ataattgnga tcaacagtgt ttctgattcn ttgaangaat 360

ccgatcgatt tcgnaacggg gtancgttct cggggtctgg tggtgggnga ttcgggtttc 420

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a 481

<210> 15277
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-G6

<400> 15277

gactgaagct agaggagcta ctcttccatc tgatatgttg gaagctgcta agaactatgg 60

gatccgcaaa gtgcttctcc ttaggtactt ggatttgcag agctcagcag ggcttcttgg 120

gtttgctata agatcatggg ctatgcttcg taacanaatg ttggctgatc catctttcct 180

cttcaaaata ngggctgaga tagtcattga ttcttgctgt gccactgttg ctgaagttca 240

aaagagaggg aaagatttct gggcggagtt tgagttgtat gttgctgatc ttttagttgg 300

gaactgtggt taanattgct ctggtcggta tgttggcgcc ttatgttcgt tttggacaac 360

cttccgcatc accnggcttc ttangacgca atggnttttg cataataang cngccttt 417

<210> 15278
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-G8

<400> 15278

taaagagaga aagaagcacg aaaaccaaat caatggcggt ttcagtttca atcctcaccg 60

tcgtcactgc tcttcacctc cttgctttcg tcttcgcctt cggtgccgag cgtcgccgta 120

gcaccgctgt gccggttccg gatcagtacg atgagaagac tatttgtaag tacggaactg 180

aggcgtcgac agtgtacggt atgtcggcgt ttgggttgct tcttgttagc caagcggtgg 240

ttaacggtgt tactaagtgt ctctgttttg gaaagggtct tgttactggt acttcttaca 300

ctgtctgggc tattgtcttc ttcgttgttt cttgggtaag ctttttaagg agctgangcg 360

tgcttgttgg gtggatnaac gangaacgcg taccacacta aaagtgaagg catt 414

<210> 15279
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-G9

<400> 15279

gnngnnnnnn ggnnnnngaa ntgttagcct nncgtacgcc tccgaaattc caaggtcgac 60

ccacgcgtcc gcccacgcgt ccgcccacgc gtccgcccac gcgtccgatt taagcatcct 120

aacttcttct tcaaagctta aaaaccagaa aacaaaagga agctctctgt tcaaatcaaa 180

aagagagatc gtacgcaaaa gtttccgata tggctcgctc gtttggagca aacagcactg 240

ttgtgcttgc gatcatcttc ttcggatgtt tatttgcgtt ttccactgca aaagaagagg 300

ctacgaagtt aggatcagtt attgggatan atcttggtac cacttactct tgtgttggtg 360

tttacaagaa tggtcatgtt gaaattattg ccaatgacca atgaaaccgt attacacctt 420

catgggttgg ttttactgac tctgaaaggc tcattggtga cgctgctaag aatcaaggcg 480

gctgttaatc cctgaanaa 499

<210> 15280
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-H12

<400> 15280

acctgtcagc atgccngtaa nggtccaagt ncacggntcc ntccagggcc tanncttcga 60

atcnatccaa gcttgacctt aattccaggc ttatccaacg acgtcgggag actgattctc 120

tccttcgncc cttaccctca catctctcgt atcaaatcaa cctgtaaatc atggtacgct 180

ttcctctctt ccaaaaccct aatttcacac cgccatagga agagacaaca gcatcaccan 240

taaatctctc ggcatntccc ttgnatcttc cctcanggnt ccttcgagtt tcgacctcct 300

tttctctncg atcccgtgaa tctctcntgg agatcgcttc ctcttatgcc ttgtaaccct 360

cacgtttacg gtctctgcaa nttcgnagct gtagctcttg gnccttacgt ttatgtcctc 420

ngtgggtctg cttttgatag caagggtctt aaccctcntn gangt 465

<210> 15281
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-H2

<400> 15281

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aacaagccta aaggatatat ttgttcttcc ggagagaaag agatcaaatc tgctattagt 120

ttgtttgacg agtacttgtc ctcttgggat aaaaggaatc cggggactcc caaacctcgc 180

ctttttactg ttggtcgtct tgatgttgcc acaacgggat tgatagttgt tacaaatgat 240

ggagatttcg cacagaaact ttcacatcct tcatctagtt taccgaaaga atatattacc 300

acggttgtcg gtgatataca caaacgacac ttaatggcta tcaattgaag gnacaatggt 360

ggaaggagtc cactgtgtcc cagattcact tgaagttggt gccaaagcag catgatatt 419

<210> 15282
<211> 58
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-H4

<400> 15282

catttcgatt attgggcagg tgagaanatc acataacgtg ntgtacgcca tttctggc 58

<210> 15283
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-H6

<400> 15283

gcacctttc cttgtcaagg caaatctgat gtcgaaggca tctttgatcc tccttattac 60

gagtggtttc aattcaacaa ggaattcacc gagtatacga atttcgagaa atgtttggag 120

tacctggagg atcgtatgat caagcttggt cctttcgatg gtctcattgg gttttcccag 180

ggtgcaattt tgtctggggg tttaccagga ctgcaagcta agggaattgc atttcagaaa 240

gtaccaaaga ttaagtttgt tataatcatt ggaggagcta aagctcaaat ccgccaaatt 300

ggncgagnat gcatattcgt cttccttgga aactctctcc ctccactttt taggagagac 360

tgattttctg aaancttacg ggnactcagc tgatagaatc gtacaangaa tcccggtgg 419

<210> 15284
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-F2

<400> 15284

tggagagcga ttcangagat ggttccgttt cctcaactac cgatgccaat agaaaacaac 60

tacagagctt gcacaattcc ttacagattt ccttctgatg atcccaagaa agccactcca 120

aatgaaatct cgtggatcaa cgtcttcgcc aattccattc cttctttcaa gaaacgtgca 180

gagagcgata tcactgttcc agatgctcct gctagagctg aaaaatttgc agaaagatat 240

gctgggattc ttgaagactt gaagaaagat ccagagagtc atggcggncc accaagatgg 300

cattcttcta agccgacttc gtgagcaaag tactcagaga gttaggattt anggacatan 360

tcaagaaaag tttaagggnt ganggagaat gcaaanggna atatcactaa tttcctcaaa 420

gttgtna 427

<210> 15285
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-D12

<400> 15285

atgttgttgt aaaacttgaa actttggaag caaactcatt tttataacaa aaggaaatct 60

tattttatac attacattaa agcaacatga aagacaattc aagctggtct tgttcttgtt 120

cttggtcttc gtggaaaata tgtttgttgt ctgttctctt tctcaccgag acgatcaccg 180

ccgtgaagct gccgccaaaa ttgattattc cggctgtaat cgctttcgga gactccatcg 240

tcgacacagg aatgaacaac aatgtcaaaa ccgtggttaa gtgtgatttt cttccttatg 300

ggtatcaatt tccaaagcgg agttccacgg ggagattctg cgatggacga gtcccctgcc 360

gantttgcta gcccgaaaga actggg 386

<210> 15286
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-067-Q1-E1-D4

<400> 15286

ccatcaaaga tctttttttt ttctcaatta ttgtgataat gaattcgatg tttagtgcct 60

tcgacgccat gtgtgcagag attatgggaa agaaagtcac cgctgcttct tatgtctacc 120

gctctgaacg caattctgct tcttcttctt cttccgtcgg cggtcaaaac gcgtctttgt 180

ctctcaagaa agatgaaaaa gcttcaaaga acatggattt accaacgaag acaccgaggt 240

ttgctcttga gctcgatggt cttcattgct tcgagactat agttcgttct tgatcaatat 300

caagattacc aatttttgct gagtttttt ttctttttct tgttttgttc tgtttcgatt 360

ccttttatgt aaatacaatt ttggaagatt taatttcctt ggattagaaa aaaaaaaa 418

<210> 15287
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-D6

<400> 15287

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ttcatcatca tcgaccttga ccctgatagg tttcagacga cacccattat tgtaaatctg 120

ctgctggagt ctttttttgtc tgaatcttct tcttgttgag acactgtttc ttcttggtct 180

gtgatttttg ttttgttctc attaggacgt tctttattcc ggttcagatt tactggatcg 240

tcattttctc tttgaaattg tatttttttg ttccttttct ggtatgttgt gaaagctatg 300

agattgctgt aagaatccaa gactgaccaa catgtttccc ctgtgctcgg ccacaagctg 360

ccgttaccat tctcagattn atttcctggc aattgggcga ggctgttcnt ccttg 415

<210> 15288
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-D7

<400> 15288

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tatgagaccc ccagttacag gaggacgtgg tggtggagga ttcagaggtg gaagagatgg 120

tggtggaaga ggttttggag gtggaagaag ctttggagga ggccgtagtg gtgacagagg 180

ccgtagtggg cctcgcggca gaggacgtgg tgcgcctcgt ggtcgtggag gaccacctcg 240

tggaggaatg aaaggaggaa gcaaagtgat tgttgagcct cacagacatg cgggagtgtt 300

tattgctaag ggtaaagaag atgctcttgt cactaagaat ttggttcctg gtgaaagctg 360

tttacaatga agaaagagaa tctctgttca gaatgaanat ggaactaang ttgaatacag 420

<210> 15289
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-D8

<400> 15289

tcatcatctt ctccggcgat gaagacgacg gcgacgtcgt ttgtaacggg agagagagtt 60

gtagttttcg tcgtggtttc tcgtattctc ttatctcttc ctttatcact tatctcccat 120

ggcttctccc tcttcctcct ctctctctcc gccttcctcg tcgagatccg cgtcgagact 180

tctccgtttc ttctctctca tttcagctcc agacgcggtg cgtcttcagg gatattacta 240

ggagctgtga cacttccttc tgttatgata tctaagttag ttcagctttc aagagctatt 300

tcaatccatg aagctgaaca agatgagctt gcacatgtga caatgcagta ttgggcaagc 360

atcggctant tgttgtgcna tacttanata tcnatcangt gattatgtca caangg 416

<210> 15290
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-E10

<400> 15290

actaaatcgc cagtattcgc cgcaagaaag atgtctccgg cgaagaagag ccgaagtttt 60

cctccgataa gcgagtgtaa aagcagagag tatgattcga tcgctgcgga tctcgacggg 120

actctgcttc tgtcaagaag ctctttccct tacttcatgc tggtggccat tgaagcaggt 180

agtctcttcc gtggattgat ccttcttctt tctcttccca tcgtcatcat cgcttatcnc 240

ttcgtctccg aatctctcgg natccanatc cttatcttca tctccttcgc cggtatcaan 300

atcaagaaca tcgannncgt ctcncggngc cgttnttaca cggntttacg cngtgggatg 360

tgnagggaan gaaangtttg ngggggttt gagnaag 397

<210> 15291
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-067-Q1-E1-E11

<400> 15291

catgagactt gttcgtcatc caaacatcgt tgagttaaaa gaagtcatgg ctacaaaaac 60

aaagatcttc tttatcatgg aatacgttaa aggcggtgaa cttttctcca agatcgttaa 120

aggaaagctt aaagaagact ctgctcattt tacaagacgg tttgcttcat actcagtgtg 180

gaactccggc gtatgttgca ccggaggttt tgaggaagaa aggttacgac ggagctaaag 240

gtgatatttg gtcgtgtggt attatcttgt acgtgcttct cgctggattc ttaccgtttc 300

aagatgagaa cctaatgaaa atgtatcgga agatcttcaa atcggagttt gagtatccgc 360

cgtggttttc accggagtcc aagaggttga tttcaa 396

<210> 15292
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-E12

<400> 15292

aaatggtgga agatgaacaa tgacgaagaa tcattgttat tgttcatgca ttaaccttgt 60

tgttatgttc ctccatggcc tgttacatcg ttccttatta ccaccatcct gttttgtctc 120

atcccaatat gagaaatctt cagtcaccgt caccaccacc accaccgttt ctgcaacaat 180

ctcttgaata gaagaattag tgttcctcga agctccgcta ttagtgacgg tggtgtctcc 240

tacaatactc tagtctccga ggcggtgagg cttttggttc cacaagcaaa ctttgattct 300

tcaaagctta aaagttgagt tcttagggag aattattggg ngaanaagga gtaacngngg 360

aattattaan gccngcgggg cgtttaattn g 391

<210> 15293
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-E2

<400> 15293

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atggctatgt ctcaggtggt gaacacgtac ccgctttcga actacagctt cggaactaag 120

gaacccaagc tggaaaagga cacctccgtc gccgaccggc tcgctcgtat gaaaatcaac 180

tatatgaaag agggcatgag gactagcgtt gaagggattc tactggtgca agaacacaac 240

catcctcata tacttctgct acaaattggt aacacattct gcaaacttcc aggtggacgc 300

ctgaagcctg gtgaaaatga agctgatggt ctgaaaagaa agctgaccag tanacttgga 360

ggcaattcgg ctgctcttgt acctgactgg acggtaggag aatgtgttgc gacatggtgg 420

cgtccaaact ttgaaaccat gatgtacccg tattgcnctc ctcacatcac gaaaccaaa 479

<210> 15294
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-E3

<400> 15294

agaagataat gttgtcaagg tgtgggattt gactgctgga aaacttttgc atgagtttaa 60

gagtcatgaa gggaaaattc agagtctaga ttttcatccc catgaatttc tgctggcaac 120

aggttcagct gataagactg taaaattctg ggaccttgaa acattcgagc ttattggttc 180

tggtggaact gagactactg gggtccgttg cctaaccttt aatccagatg gaaagagtgt 240

gctttgtgga ttgcaagaaa gtcttaaaat tttctcatgg gagccaataa gatgtcatga 300

tggagtggat gttggatggt caaacttgtc ggatatgaat gttcacgagg gaaagcttct 360

cggttgctca tacaatcaaa attgtgtang cgtttggggt tgtaaaact 409

<210> 15295

<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-E5

<400> 15295

cacacacaca tttgtcgaaa tcttaacacc aatcccaaat cagaaaaatc aaaacttttt 60

attttatttt atcaaaatgg cgcttatgaa tggaagcatg aatctatcat cggtcaaatc 120

atcgatgatc aaccaccgtc aaccaaactt ctcctccgcc gtctccagac ccacttcttt 180

ccggatctcc gccgtgcaaa ccgacccaaa aacaccagct gcttcatcgg cgtcggcggc 240

gacgacgact ccggcaacgt tgacgaagcc cgttggagtt aatgtgggta aaggaaaatg 300

ggcaccagag agttggagga cgaagaaagc tttacagcaa ccgggactat ccagatttag 360

ctgcgcttga agctgtgcca gagacgatnn aaagcttttc ctccgattg 409

<210> 15296
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-067-Q1-E1-E7

<400> 15296

gtgtatgaag gacttgaagg taacaactgt gctcccaacg cagctacttt taggacattg 60

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gtgtatatgc acaagattcc agatttcaac actttgaagc atttggttgt gggattggtg 180

gagaacaaga aaagagatga cgctaaaggg ttgattagaa cggtgaagaa gaaattccct 240

ccgagtttct tgaatgcgtg gaagaaactc gaggaggaac tcgggctgta ttcaaaaacc 300

gatgcttttc catcttctgc aaaagaggct gctgctgctt aatagctcaa gagcatttcg 360

attgaacatc ttaatttgtt gcctgaaaa 389

<210> 15297
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-067-Q1-E1-F1

<400> 15297

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gctgatgctc cgccgcacat tccgccgttc gttcaccagc cacggccgta taaaggtcct 120

tccgccgatg aggttttaca gaaacggaag aagtttctcg gaccttctct tttccactac 180

taccagaagc ctcttaacat cgttgaaggg aagatgcagt acttgtatga tgagagtggt 240

aggcgatatc tggatgcctt tgctggaata gtcactgtgt cgtgcggtca ctgccatccg 300

gatattctta atgcgattac ggnacagagc aagctacttc agcacgcgac tactanttac 360

ctgcatcatg ccattggtga ttttgctg 388

<210> 15298
<211> 258
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-F10

<400> 15298

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aanagataac ggtcctttca aggctcaaat gcaaagattc accactaaga ttgttaacat 120

gatgaaagcn gagaggcttt ttgaatctca angcggtcct ataattctct ctcagattga 180

anatgaatan ggaccagtgg agtatnagct tggtgcancg ggcnggtcat acaccaactg 240

ggcagctnag atggnagt 258

<210> 15299
<211> 349
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-F11

<400> 15299

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aaagggaaag gtcattgtaa atactactca tggtccaatc gacgtcgagc tttggcctaa 120

ggaagcgccc aaatccgtac ggaacttcgt tcaactatgc ctcgagggtt actttgacaa 180

caccatcttc catcgtgtca ttcccggttt tctcgttcaa ggcggcgatc ccaccggctc 240

cggaaccggt ggagatagta tatatggagg tgtctttgcc gatgagttcc attcaaggct 300

gagatttagc caccggtggg attgttgcca tggctaatgc ganctcacc 349

<210> 15300
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-F2

<400> 15300

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gattttgaag cctccatggc tgatacacgt gctcagcacg ctcttggcca tctacaggaa 120

ttcgcaagtt tcatccgtat cctcgggtgt tatccaatgg atctagtcag ataaccgagc 180

aactcttcaa ttgatttcat gttaccatac cgtgaagaac atgtgaatat acccaaacag 240

aagaacaggg tttgtggctt tggtatactt caagaatctt ctttcaccat tttctcattt 300

tangaacttt agcttcaaac tcttcattgt tgagacagat acaattgatg tancattttg 360

ttaagaataa gttctgtaca ttaaacaang ttttttttcag ttaatatcan ttgaanaag 419

<210> 15301
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-D1

<400> 15301

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gtcgtccata accatcagct atcgttctac ggttcgaatc tcaagctgaa accaactaaa 180

ttccgatgct cagcgtcggc tcttacgccg caacttaaag acacgctgga gaaactggtg 240

aattcggaga aagtggttct gtttatgaaa ggaacgagag acttcccgat gtgtgggatt 300

ctccaacant gtggttcaga ttttgaagaa tctgaatggt tcctttcgaa agattnnnan 360

atttctggag aatngngatg ntntagggca g 391

<210> 15302
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-A3

<400> 15302

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tggttatatt tgcatgtggg ttttgtgtgt gtttggaaat ttgaatgaat tgatgtgaaa 120

agttgtaact cttgtttttg ttgatttaaa aggctaagtt ttgaaaattt tcatttctgt 180

ggagagaggt agtgttggat atgagtgata ttagctatgt gggttttgta tgcttttgaa 240

ttttgaaatg aattgctatg aaaagttgta acctaagaaa ggtagtgtta gatggaaatt 300

agattaagta tgtgagtttt gcatgtttta gaagcttgaa atgaattgcc cttgaaagtt 360

tataagcttt acgccgatat aagangccta atttcnaant aagtgttggn tagaaataag 420

att 423

<210> 15303
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-A4

<400> 15303

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actctattga tccacaatgt cgatgatgtt cccatcgttt cagttgctag aacttaacat 120

aatatcagct caggacttgg ctcccgtcgc acgcaagaca aagacttatg cggttgcttg 180

ggttcattcc gaacgtaaac ttaccacccg tgtcgactat aatggcggaa caaacccaac 240

ttggaacgac aaattcgtat tcagagtcaa cgaagaattt ctctacgctg atacttcagc 300

agtggttatc gaaatatacg ccttgcattg gttcagagat gttcatgtan gaacaagttc 360

gtgtcctcat tagcaacctc attcctccta atcgccgtcc aaga 404

<210> 15304
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-B1

<400> 15304

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cgtcatctag tcccattctc tgtccataac aatgaatatc aattgttctc cattagggtt 120

tctaatttca ctcttcttca ttgttacttt tcttgcacca caagtcaaat ctagggcttt 180

ctttgtcttt ggtgactctc tcgtcgacaa tggaaacaac gactacctcg tcaccactgc 240

ccgtgccgac aattacccgt atggtatcga ctacccgacc cgtagaccca ccggacgttt 300

ctctaacggc cttaacattc ccgacattat cagtgaggct ataggcatgc cgtcgacttt 360

gccgtacctt agcccgcatc tcaccggaga aaatcttcca agtcggtgct aattttgcct 420

ccgcaaggaa atgggatcnt caacgacacc tgggaattta aatttcgnaa aacaana 477

<210> 15305
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-B12

<400> 15305

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tccggttcca aaactgaacg agaggattct ctcaacacta tccaggagat ctgtagctgc 120

acatccatgg cacgaccttg agattggtcc tgaagctcca ttggtcttca atgtggtggt 180

tgagatcaca aagggaagca aagtgaaata tgaactcgac aaaaagaccg gtcttatcaa 240

ggttgaccgg atcttgtact cctccgttgt ttatccacac aattacggat tcatcccacg 300

gacattgtgt gaagacaacg atcctcttga tgtccttgtc cttatgcagg aaccagtgct 360

tcccgggatg tttccccccg tgccnaaann cnaatgggg 399

<210> 15306
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-B2

<400> 15306

ngttacttgc cgggcccggt ccnaaataaa cgggtcgagc acgcgtccgt ttcgntcttt 60

cttcttttaa caagaaacca ccgctctgta caaaacaaag tctccgtcgt ttcttctccg 120

ttctccggtc aattcgaatt cctcagagag aaatttgtgc tcgcgagttc cgcgtgaaat 180

acatggaaat gttggcggcg ttggactcgc gttcttctct ccatcttcat cgttccatgt 240

ctcgcgttga ccttttttgcc ggtgttcgta tgaaaccatc tcctacaagt cctgttccga 300

atacgcctcg aatatgtggg aagtaaactc tgttgattcg actcttcctc ttccctttag 360

taagttcctc cgtttgtttt tcctttgcat ctgaatttcc agattcaatc gaagctgtga 420

ttacctggta gcgtcttgtg tagtcttatt ttnggtaaag tgatcgtttc tggggg 476

<210> 15307
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-B3

<400> 15307

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ttggggtgct agagacaaat ccggtgttct ctctcctttt cacttctcta gaagagacaa 120

tggtgaaaat gatgtgacag tgaagatctt gttctgtgga gtttgccaca ctgatttaca 180

caccatcaaa aacgactggg gatactcgta ttacccagta gttccagggc atgaaatcgt 240

tgggatcgct acaaaagttg gtaagaacgt gactaaattc aaagaaggag atcgtgtcgg 300

agtaggagtg atcagtggct cgtgccaatc ttgcgaatct tgtgaccaag atcttggnaa 360

actactgncc tcnaatgtcc ttcacatacn atgncgaatg ggttcnaant gggaacna 418

<210> 15308

<211> 369
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-B4

<400> 15308

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gaaaaagcaa taaccctcca aaccaaattc taaagcctca aatttggaat attccctttc 120

ttcttcattc ccttttttt ttttttaatt tgccatttac tcattattga tcttatgtga 180

gacgacctcc tctgtttctt tcttcctcgt aacagtaaag ggtcttcctt tttaatctga 240

atttaccaat ctgattcttc tgtttttttgt ttttttttatt tgtctatctt ttaaactatt 300

tgaaatctaa actttgtttg gttcttcacg atttttaatc tccgatgaat caanttcatc 360

aaaagattc 369

<210> 15309
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-B5

<400> 15309

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aagttaaagt catttcctat caaatctctt ttcatggcgg ctgctattct cgtttctcct 120

gttcgctaaa ttgcgtcatt ttcattgaag cttattataa aagcggcgta gatctgtgat 180

tctactcatt gcatttccgc gtttgtgagg agaaagagga gaagatgttg tgtgcttgtt 240

caggcgaaca attccggttc gaggatcagc ccggttcgcc ggaatcccta gctacaagag 300

atttctcagc tagtggactt tcttctcgaa acggaggagg cgattgggat tccaaattgg 360

aagatattca agtcgatgaa gctgaatcga ctttaaagga agctctccca ctcaang 417

<210> 15310
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-067-Q1-E1-B6

<400> 15310

gcccacgcgt ccgatgctgc aaaatgctct tggagtgcct ctcagaggat tctgtatgct 60

cagttctcca agtggtttcg tctatctcat catgtaaact cattgaggag atgtgcaaga 120

ggaagttctc catgcacttc gactattgta ccactgcaag tttggacttt gtcttgttag 180

atcagaccac cttcagtgat attcttgagt ctgcagatct gacggtgaca tctgaagaaa 240

agattctgaa tgctgttctc atgtggtgca tgaaagctga ggagtcgcac agttggggag 300

taatagatga gatgatgaac tatgctgacc ccaaaagttt gttcaaagaa aggcttcagt 360

cacttgatga cctgttacct catgtacgct tcctctttgt tgccatatga gttacctaaa 420

aag 423

<210> 15311
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-C10

<400> 15311

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ctaattcttc taccttggtg tctgattcta gcaccaaacc attttctcct accaaaatct 120

gggtttcgat caattttagg tcttttgatt cctacttgtc taatcgtctt gcaatttcaa 180

agatgacagt tgttggagat gttgctccaa ttccaaggag gaacagttct acttgctcta 240

atgatatcgc tgctccgtta ttaccagagt gtcatggaga tgaagttgct catgatgaat 300

tcaatggagc ttcttttagt ggcgcggttt ttaacctcgc cacgactata attgggtgct 360

ggtatcaatg ggctttgcct gnctacaaat g 391

<210> 15312
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-C2

<400> 15312

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cactcgcaag gttaatgagt tgtgcgccgc agctagtgga cttaggagta gggtcttatg 120

agaatgagcc agatcctgaa tcttttgcaa aactcatgac tgccattaag aaatacacat 180

cgttaaggag cttgtctggc tttttagagg ttgctccact ctgcctccca gcgttctacc 240

caatttgcca aaaccttatc tctttgaacc tcagctatgc agctgaaatc caaggcaacc 300

acctcattaa gcttattcag ctttgcaaga gacttcaacg attatggata ttggatagta 360

ttggtgacaa aggacttgcg ggttgtcgct gccacatgta aagagttaca angagcttan 420

gat 423

<210> 15313
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-067-Q1-E1-C7

<400> 15313

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tcttgccatt cactttcacc accgccacac gtgacacatg tgcgaccgcc gctcccgatg 120

gttcctacga cctctcaatc atccccatta acgccaaatg ctcacctttc gcacccactc 180

acgtctctgc ctccgtgata gacacggtcc ttcacatggc ctcctcagac tcccatcgac 240

tcacctacct ctcaagcctc gtcgccggca aaccaaaacc cacctccgtc cccgtcgcct 300

ccggtaatca gctccacatc ggaaactacg tggtccgagc caaactcggc actcctccac 360

agctaatgtt catggtccta agacacaagt aacgacgccg tttggctccc ttgctccgg 419

<210> 15314
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-C8

<400> 15314

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tctccaagcc agagggtcga atctagttgt ccgtgtcggg aaacctgaag ctgttttggt 120

ggaattggct aaggagattg gagctgacgc ggtttatgct cacagagaag tgtctcacga 180

cgaggttaaa gcggaaggga agatagagac cgcgatgaag gaggaaggcg ttgaagtcaa 240

gtatttctgg ggaagcactc tctatcattt ggatgatttg cccttcaaaa ttgaagactt 300

gccgtcaaat tacggagctt tcaaggataa agtccagaaa ttggagatta ngaagactat 360

cgcaacgctt gatnaattga a 381

<210> 15315
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-067-Q1-E1-C9

<400> 15315

ggaaaaaagt tgctctcgct tcaggttttt tatttcccgc caattatttc gacaaaaatg 60

gctcctaaat cggataacac cgaagctatc gtactcaact ttgtcaatga gcaaaacaaa 120

cctctaaaca ctcaaaatgc agctgatgct ctacaaaagt ttaaccttaa gaagactgcg 180

gtgcaaaagg cacttgatag tcttgctgat gctggaaaaa tcacgtttaa agagtatggt 240

aagcagaaga tatacattgc tagacaagac cagtttgaga ttccaaactc tgaagaactt 300

gctcaaatga aagaagacaa tgccaaactt caagaacagc ttcaagagaa gaagaaaact 360

atcagtgatg tggaatcaga aatcaagagt ttgcagtc 398

<210> 15316
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-A2

<400> 15316

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gggcggacgc gtgggcggcg gcggaatatt ctcgccggaa aatggggaaa gctagaggag 120

ttaacagcgg cggcggagag agctctctcg gttatctttt tggttccggc gagtctgttc 180

ccaaaccaaa caagcccaac gctaaaaccg gttttaccac caccacgacc accacaacaa 240

caacggatgg agctggaggt agacccaaga ccacgaccac aactacaaca accggagata 300

aaaacaagac agaggagaac tcggctggtg tgagaggaag tcctaataat tactacagat 360

cagatggaca aaactgtggc aacttcctca cggaacgacc atctacgaan gttcatgctg 420

caccaggtgg aggatcttcc tttgggttac ntgtttgggn tctggtcctt gtggatct 478

<210> 15317
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-F12

<400> 15317

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tgattctcca caaaatggcg ttcttggccg ttattctctt cttcttgata agcagcagca 120

gcgtttgcgt tcatagccgt gaaacgtttg cttgcgatac aaaggacgca gcancagcta 180

cactgagatt ctgccagctt tcagttccta taccgganan agtcaganat ttgatcgggc 240

ggttgacatt ggccnagaaa gtgagcttgt tagggaacac tgcggcngcg atnccacgtc 300

taggaatcaa agggtacgng tggtggtcgg aggctttaca cggcgtttca aatgtgggac 360

ccgggtacta aagttcggtg ggggtttacc cctggagcca tcaatttccc tcaagt 416

<210> 15318
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-F3

<400> 15318

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gatatcgaag ctctaggaat ctccggtgat gtctccgaga agcttctcag agatctcgaa 120

gacattattc acggttcatc cacgccgccg gagacgtgga ttcagatttc tcggcggatc 180

cttcacccta atctcccttt ctcttttcac cagatgatgt attacggttg ctacaaggat 240

ttcggacccg acctacccgc ttggataccc gacccgaagg ttgcttcttt aactaacgta 300

ggcaagttat tagaaaagcg aggcaaagag tttttaggtg gaaattacaa agaatccagt 360

ttcgagtttc tccagttttc aangaagttc tctgtatcaa atcctgaggg 410

<210> 15319
<211> 53
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-F4

<400> 15319

cacgtgatga agttcaagcc tcgaanctgc tttantcatc gcaactgagg aac 53

<210> 15320
<211> 232
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-066-Q1-E1-F5

<400> 15320

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tttgtcttag tttccagata ttgctgttgt tggattaatg gattttcagt ttgatcaaaa 180

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggc gg 232

<210> 15321
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-066-Q1-E1-F7

<400> 15321

gtcaactaaa ctctgacctt agaaaacttg ctgtgaacct tattcctttc ccacgactcc 60

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tgagtgtccc tgagctaact caacagatgt gggatgccaa aaacatgatg tgtgcagctg 180

atcctcgtca tggtcgttac ttgacagctt ctgctgtctt ccgtggaaag atgagtacca 240

aagaggttga tgaacagatg atgaacgtcc agaacaaaaa ctcctcatac tttgttgaat 300

ggattccaaa taacgtgaaa tcaagcgtct gcgatatagc tcccactggg tttgaaaatg 360

gcatcaactt tcattggaaa ctcaacttca atccaggaa 399

<210> 15322
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-F8

<400> 15322

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aagctgcgtg ggaaccagaa taccacagag tatttgtgga cttatgcgtc gagcaaaaga 120

tgttagggaa tcaacctgga acgcagcata tattgaaacc ttttctacaa agaactggcg 180

ctaggttcac cagaaaccag cttaagaatc actgggatac aatgatcaag cagtggaaga 240

tttggtgtag acttgttcaa tgcagtgata tgcaatggga tcctcagact aacacttttg 300

gtgctaatga tcaagactgg gccaactatt tacatgtgaa tcctgaggct gggcagtatc 360

ggttgaatcc tccatcgttc ctcgagaaac ttgagcttan cctttgaag 409

<210> 15323
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-066-Q1-E1-F9

<400> 15323

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acgtcttcct cccagatggt tcagctcgta gctgacaagc atgtacgtta cattctgatg 180

gcagaaaaga aagagagttt tgagtctgtg gtgatggatc atctaagaat gaatggtgca 240

tactggggac tcaccactct cgacttactt gacaagctcg gctgtgtttc tgaagaggaa 300

gtcatttcat ggctcatgac ttgccaacat gaatctggtg gctttgccgg taacactggg 360

acacgattca catatcctat atacactcag t 391

<210> 15324
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-G10

<400> 15324

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tccggtctac gacccgtaac catcgacttg aaagatggaa ccgtagtcaa cttttgggta 180

tccaaaacca aacccgaatc caaacccaaa cctaatctcc tcctcatcca aaggggctcg 240

gagctantgc gcaactggga atggtacgac gtaagctcgc cgtctctcac gttatttcaa 300

cctcnacatc cccganctan tcttcttcgg ngggntttcc acgacccgga cccggaaagg 360

atctgngatt ttcnaanccc canncactca cgcggggncc tatgnanncc caatacggtg 420

nna 423

<210> 15325
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-066-Q1-E1-G11

<400> 15325

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atccacaaag caaccccgaa gcaaatactc cgacaaccca ccggattttg cctcgttagc 180

gtctctttac ccatctttca agccctttgt tttcttctcc ggtagtcgag ctcgcatcga 240

ctggaccgat tacaacgcaa cccgagagct cactcgtgtc ctccttctac atgaccatgg 300

cgtcaactgg tggattcctg atggacagct ttgcccaact gttcctaata gatcgaatta 360

cattcattgg atcaatgatc ttttgtcctc tgggatcatt caaagttt 408

<210> 15326
<211> 248
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-G4

<400> 15326

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cantanactc tcttcttctt ctcatcgctc tgctgttata cgatgttcca acgattgaac 120

ctcaagtttc cggtgaaagt ttagctttcc accgccgtga tnttctcaaa ctctccggca 180

ctgcagtcgg aatggaantn ataggcaang gnttcatnat caatgtgggt gatgcaaaan 240

ctgcngga 248

<210> 15327
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-G8

<400> 15327

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aactcatcat ctcacgacgg tattaaaaca atcgaagctg ttaacagttg cagtttttct 120

agaaaagcag atctttgcat ccgtatcatc acatggaaca tgaatggaaa tgtttcgtat 180

gaggatttag ttgagcttgt tggcaaagaa aggaagttcg atttgcttgt cgttggcttg 240

caagaagctc ccaaagcaaa cgttgatcaa cttttgcaga cagcttcatc tccaactcac 300

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tcacatacat tagtanaaga attaaaggca gaagagatat tccgt 405

<210> 15328
<211> 215
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-H10

<400> 15328

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tgtgcgcaat ctctttctcg cgtggtccaa gtgctgaacc tcctanaatt tttggggaaa 180

aaactcccgg gtaaanaaaa attccaccca aaagg 215

<210> 15329
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-H5

<400> 15329

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acgccattac tcactctcgg ttggtcaaag cgtgtttcgc ccgggaagag ttacccatgc 180

gttgaatgat gatgctttgg ctcaagcact gntggatacc aggtatccaa ctgnagggct 240

gacgaactat natgagtgga cgattgatct gaggaaactc ancatgggtc ctgcctttgc 300

tcaangggct tttggnaaat tatncacagg gacatacaac ggtgaanatg tagctatcaa 360

gattacttga tcgggtcaga nnacaaccca cnaatgangg acagttcatg ggacaa 416

<210> 15330
<211> 87
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-H6

<400> 15330

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ggtcacngga agaaaatccn tgacaat 87

<210> 15331
<211> 414
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-H7

<400> 15331

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tggattcaag gcattgctcg atgatcttga cgttctcgag aaatctctct cagatccggc 180

tctgatcaac aagctgcgat cacatgttga gaatctagcc actctgtcta aatgtaatcc 240

tcaccggcgt tccaaagtca aggaactaag ctcggaagtg gtagatagta atccttacag 300

taggcttatg gcacttcagc ggatgggcat tgtggacaac tatgagagaa ttagagagtt 360

ttccgtcgcc attgttggaa ttgggtggtg ttgggnagtg tgccggtgaa aagg 414

<210> 15332
<211> 92
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-H8

<400> 15332

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agaaaatacc ganaattcat cagcttttcc nt 92

<210> 15333
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-066-Q1-E1-H9

<400> 15333

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tatcgattta gactttcctt ctcgggtttg tttgaagtct cttagaaagc tataccttga 120

ccaagtacat ttcaaagacg aagaatctgt ttgcaatctt ttatgtggct gccctagtct 180

tcaagatttg gtcgtgcata gatatagcaa tgccgatgtg gcgactttca caattgcgtc 240

gccgtcatta caaagattga ccatagaaga tcttagacaa gaaggaggtt atggaaatgg 300

aagctatgtg ataaatgccc ctgggtttga aatacttgaa catcaacggg gttattgata 360

ttgagtcttg tttgattgac aaggcactaa gagttagagg aggcaaaaa 409

<210> 15334
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-066-Q1-E1-F10

<400> 15334

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ccaaaacgac atcaacgaat gtcgtatcac tgctgttgta cttttcagta ctttcgtttc 180

tgtttgtggc tctttctgct tcggttgtgc ggcaggttat tcatcagttg ctcaaacagg 240

gatcataaat gatttaggtc tctctgttgc acaatactcc atgtttggtt caatcatgac 300

ttttggagga atgattggtg ccatcttcag cgggaaagtt gcagatctca tgggtcgaaa 360

agggactatg tggtttgctc aaattttctg caatccttcg ggttggggtt g 411

<210> 15335
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-A1

<400> 15335

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tctctagacg ccgatatact gtgcatcatc ttctcttttc ttgatttgtt cgacctcgtt 120

cattgtaccg tcgtctgcaa ttcctggaat gctgttatca aaaggctgaa gctgctacaa 180

gcttcttgcc ggaagatgca ccatctcggt tccgactctc ccagtagctc cacgtcactt 240

gatcgtccag ctgaagatag atgtggagga ttttgcgatg aagcatcaca agatggcatt 300

gttaaagggt cgaatcgaaa ttgagcgatg ggaaagctca ttctcaccgg gtttctcaat 360

gtcgaatgaa gaaaggtttg cttcntacat gnntgtccgn gaataaagnt atgccncct 419

<210> 15336
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-A5

<400> 15336

ttccgaaatt gtttcgaaaa atcctgaaga agaagaggtc tttgaatcaa caacagttcc 60

atgttgtgcc caacgtatac accaagtgtt taccattttc aaacgcaaaa gccagttttc 120

cggaaacaga ggtttcgggt ttgttcatct acttctggtg gtgaggatga tagattcaaa 180

gtagagtaca ctccttggct tatcnttggg ttgggcaatc caggaaacaa gtatcatgga 240

acaagacaca atgttggttt cgagatgatc gatgtgttgg ctagaaaaga aggggtgttg 300

atgaacacta tacagtccaa agctctaatc ggaataggtg ctattgaaga tgtacctatc 360

ttgttggcta aacctcagac ttatatgaac ttcagcggcg aatcggttgg atcc 414

<210> 15337
<211> 71
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-A7

<400> 15337

anancgatct tcatgagttt ttccgacttt gtgatcccga aaaggagaac ctttgccttt 60

anggacatcc a 71

<210> 15338
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-A9

<400> 15338

gnacgaggtt ccaagagaac ttagcttctt gttctacgta cgacaccaaa aattaattca 60

aaaaagaaaa agaagagagt tcaatgagaa aacattctct tgatcgatgg cttttaacag 120

ctgttcttgt cgttctcctc tcgtcttctt cctccttcgc ggccaagaag gacgccaaga 180

agaagaagaa gagtaataag gaggtgacat atgatggaac ctctttgatc atcgatggca 240

aaagagagct tctttattct ggctctattc attacccgan gaagcactcc ggaaatgtgg 300

ccaagtatca tcaagagagc caaagcaagg gcggtttgaa cacgattcag acatacgttt 360

tcctggaatg tacatgagcc tcaacaagga aagttcaact tttcggggac gagctgatt 419

<210> 15339
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-B2

<400> 15339

tgatgatagc catgtccacc aaatcagcca agaaaagatc aagacctcgg ctgcttacgt 60

tctgttctat aaacgccttg tagactaaag aaactgaagc ggtaaagaca agaaagtggt 120

atttgcattt ttgccgggtt tggcttattt aaanacatca ttggcttgat tctaattcac 180

tacaagatna agatgaaagc agctctgcgt tgaggctaat ttacagaana ganagagaga 240

gttgggaana agagcacaag accgagagga catgttgcgg ggaatttatt ttaatcttac 300

aaaaattggt atctgattat tttattaacc atnttcaant agagaataca agaatannan 360

aaangccctt tgtgggatat ggttctaaan nnnaa 395

<210> 15340
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-B3

<400> 15340

ganatgaatg atgttcttta tcagctatac agcatcactg gagattccaa gtatttgctg 60

ctcgcacatc tctttgacaa gccttgcttt ctcggagtcc tcgcaattca ggccgatgat 120

attagtggat tccacgctaa tacacatatt cccatcgtcg ttggatccca acaacggtat 180

gaaatcactg gtgatctact ccataaggaa atctcgatgt tctttatgga catttttaat 240

gcttctcaca gctatgcaac aggaggaaca tcantcagtg agttctggca agatcccaag 300

agaatggcga ctgcactgca aaactgaaaa cgangaatca tgtactactt anaacatgct 360

caaggtctcc taggaatctg ttcagatggn caaangaggt tagctatgca gntantacga 420

<210> 15341
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-B4

<400> 15341

ttattcngcc ggcccnggtc gnanaaaccc gggtcgnccc acgcgtcngn ccaagcgtcc 60

gcgaatttat tcgctccgcc gcttctcaaa gctaacggtt ttccccatcc gaaatcattg 120

tcgtacattg ggaatctcgg cgagctcccc atcgtgatcg aagctccatc tggatttccg 180

agaggaaaca gcctcggatc gctttcccaa gcggcgattc cacggcggac cgtcgcgtcg 240

tcgtgcgcca ccacgttcct gtgtaactgt tcggcggacc acctgagatc tttgcttagc 300

anatctcccg cagacgccaa cgtcggtatg ctctgtatcg cgtttccgaa gtagtacgga 360

tccatcttcg gctcaagccg gtgccggcaa ttaaccgcca ttcgaaacgt cgtcgtcttg 420

ctcggatcga gattcctcgc tcgtgtaacg gattgcatag ctgagcg 467

<210> 15342
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-065-Q1-E1-B5

<400> 15342

gtgactgatt accggaagaa gctccttcat cacaaggagc tcgaatcccg tgtccgaaca 60

gctagggaga atttaagagc agctaagaag gaattcaaca aaactgagga tgatttgaag 120

tctcttcaaa gcgttggcca gattattgga gaagtactac gtcctcttga taacgagcga 180

ttgattgtta aggcaagtag tggccctcgt tatgtggtgg gttgtcgtag caaggtggac 240

aaggaaaagc ttacttctgg aactcgagtt gtcctggata tgactacgct gacaattatg 300

cgagcccttc ctcgtgaagt tgatcctgtt gtttataaca tgttgcatga agatccaggc 360

aacattagtt actcagctgt gggtggttta agtgg 395

<210> 15343
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-B6

<400> 15343

gtcccgtctt cgatcttctc ntctctctct cttcatcgca cgctgtgccc agccagctca 60

aaacactgca cttccgcttt ttatcaagat caatctctac caatacttag aaaagttctt 120

tccttttttgt caaattcttt caatttctct cttcaattcc ctacgaatta ctcacttcgg 180

atccaatcag ctctttatag cctctgcgtt tgggagtcaa tctttctctc ttcgacaatt 240

aagggtttcg tataaagatt gctgttttac gacaggattc tgaataanga gaagaagggt 300

tggtttcatt tggatggaaa gtatatggta ngtctacaca ttaatatgga agcgcagatt 360

catatacttg agcangaagc ntaatccggc tgtantaaga gctt 404

<210> 15344
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-C1

<400> 15344

tcacaccgct ttcttctctt cattgaacaa aaaaaaaagc tcttaacttt ttttttcttct 60

ttaggtaaaa tttgacaaaa gctctcaact ttcaaactct gtttcttcat catcatcatc 120

atcaccatgg acgccctgct tcaagtttca gttgatgggt ttagatttga gaacggatct 180

ggatcttgct gcaaacccag aaacaatctc gaatctggga acaatctctt ccctgatttc 240

cacgagtctc agaatcagtc ttcaancaaa cgattcacct ccaacggtgt gtttggataa 300

ctctcctgtt ccgaaagtac atcaatgata atgttgatgg acgaaggaan gacttccgta 360

gggtataact ccgtgaacaa ttagccttta cnangccgct gaagagatcc tctacgngat 420

aaatncag 428

<210> 15345
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-065-Q1-E1-C10

<400> 15345

ctctctctct ataacaaaat tggacagaat tgggcaatcg agagagaaag atgcaagcca 60

tctccaaagt ttcttctgca gcatcattct ttagatgttc taggaagcta gttagtcagc 120

catgtgtgag gccttgcgtg agacagcttc acgtcagaaa gggtcttgtc tctggtgtca 180

tgaagctgtt ctcttcacct cttaggactt tgcgtgatgc tggtaaatcc gttcgcattt 240

caagattctg cagtgtctcc aatgtctctt cctcattgca aattgaactg gtgccatgtc 300

ttacggacaa ctatgcttat atcttacatg atgaggatac cggtacagtt ggtgtggttg 360

acccttctga agctgtacct gttatggatg ccctccagaa agaaatat 408

<210> 15346
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-065-Q1-E1-C11

<400> 15346

ctacacagtg acggtttatg aaaagggagc tgaggtcgtc aggatgtaca aaactctact 60

aggaactcag gggttccgaa agggaattga tctctatttt gaaagacatg atgagcaagc 120

agtgacttgt gaagacttct ttgctgctat gcgtgatgca aataatgcag actttgctaa 180

tttcttgcaa tggtactctc aagctggaac gcccgttgtc aaagtggtat cctcttacaa 240

tgctgacgct cgtactttct ctttaaaatt cagtcaggag atacctccaa ctccaggcca 300

gccaacaaaa gaacctacat ttattccagt ggttgttggt cttttggact caagtgggaa 360

agacattact ctttcctctg ttcatcatga tggtacagtg cagaccatt 409

<210> 15347
<211> 465

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-C4

<400> 15347

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cggattcgca gagttcacga gcttccgagt caaaaacact ctaaaacaaa accatgactt 120

tgttccatag actcgatctc atcgatccgt acacgtgtac accactcatc gtccgtgaaa 180

cctccattgt tgaaccttca tcattgttcc tagggtttcc ttccttcatc gacgaagaca 240

ttgaagatct cttcgagttt tcatcaccta atcctctcga tctattcgaa accgtgacgg 300

atctggttaa gattaagaaa tctccgtcgt cttgcaagta caaggtgatt cgtcggagat 360

tagagccgga gtatccattg aagtatcttt gtgaccgtgt ttctgatttg gnatcaaagt 420

ttgatagatt ggttagtcct aagagtgata aggaagtata cattg 465

<210> 15348
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-065-Q1-E1-C6

<400> 15348

ctctagatcg attttggatt tagatctctt tgtttctact gcttttcatc gttggatctg 60

cgttttgcaa agggagatac agaaaggaat agctttgaat tgacaaggtt tctctctaat 120

ccaaccgaat ctcaagcttc catggctctc aatctccgtc agaaacagac tgaatgtgta 180

atccggatgt tgaatctgaa ccaacctttg aatccaagtg gaactgcgaa cgaagaagtt 240

tacaagatct tgatttacga taggttttgt cagaacattc tatctccatt gacccatgtc 300

aaggatctgc gtaagcatgg agttacactc ttctttctca tagacaaaga tcgacaacct 360

gttcatgatg ttcccgctgt ctactttgtt caaccaactg aatccaacct cca 413

<210> 15349
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-D11

<400> 15349

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taacgctaca gttgcgagaa acattgccgg catttgtgga aatgtcatct ccttgttctt 120

gttcttatct cccataccta cgttcataac catatacaag aagaaaaagg tggaggagta 180

caaagctgac ccatacttag ccacggttct aaattgcgca ctatgggtct tttatggctt 240

accaatggtt caaccangat agtctccttg tgatcaccat aaatggtacc ggtttagcca 300

ttgagctggt gtatctcgcn ancttcttct tcttttctcc aaactagtcg caaaggtgaa 360

agtggggcta anggttanta aggaagagat ggtgttttgt 400

<210> 15350
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-065-Q1-E1-D5

<400> 15350

tgatctcatt ttcgaacaag gagacaacat tacggggaag gtatcaagag acgaagtagc 60

gcgtatatgc atcgctgctt tagaaagccc gtatgctctt aacaagacct tcgaggttaa 120

aagtacggtt ccgtttagcg agcctttcac ggtagatcct gagaatcctc caccggagaa 180

agactacaat gagtatttca agactctgaa agatggaatc accggtaaag aagctttaga 240

acagagcact gttgcagttt aaaccaggtt ttatctactt ttgtaactgt gtgttgtctc 300

atcttcgtta aaaaatcttt ccaaaagtaa aaacaacaac aaaaagagtc gtgttagaaa 360

catgttgtat actccatata tcgtacattg tagataagat tacaaa 406

<210> 15351
<211> 189
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-D6

<400> 15351

ttgttgtaan ggantctata canagccgag tggaatcgtg ggtcagagac cagagggcna 60

ggttcttacg ggtttcgtgg ggaccgattc antggaggtt ccggtggcca ccatggaacg 120

gangagatgc ggatcaaagg attaaggatc cgtcgggaat acgagaagcg cagttancac 180

nttgaggat 189

<210> 15352
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-A4

<400> 15352

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aaacagagtg aacaactttc ttctgcagca aaagaccaag tggaagctgc aaaccctgna 120

actaacgtct ctgtgtcaaa ggatcatttt gataggacag taacaactct caacattgcg 180

gttacctggt ttcatctgta tcactattca aaatcctttt ccattctaga acctttgttt 240

caaaatattc ancggctana cgagacaatc gcacttcaaa tctgcttctt gttgctggga 300

tatttcactg gcttgtcgtg atgctgtnaa ttttttggct gtgtttgact atatggacaa 360

agcttttggt gttgggtttt ggaantcatg aagaaaatgg aagcacaatg caactt 416

<210> 15353
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-F5

<400> 15353

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caacactgct ttccgagggt ttggaggccc ccaaggtatg cttataactg aaaactggat 120

tcaaagaatc gcagctgagc ttaataaaag ccctgaagaa atcaaagaga tgaactttca 180

agtggaagga tcagtcaccc attactgtca gactcttcag cactgcacat tgcatcagct 240

ctggaaagag ctgaaagtat cgtgcaactt cttaaaggcc cgcatcagaa gctgacgaat 300

ttaatagtca taatcggtgg aaaaagcgtg gtgtagctat gggttcccac aaaatttggc 360

atatcattta ccacaanant tcatgaatca nggccggngc nctgttcag 409

<210> 15354
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-F6

<400> 15354

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aggttgtctc ggatcaagaa ccttctcaag aaatgtgctt aagggaagca acacaccaag 120

ggaagctaaa accgtagtgt ctcatgggga ggtccacacg gataggaggc ttcatcagat 180

gatgtttgag gatagagact atgaacaccg tttggtggat gatgattcct ctatccaaga 240

tgaaaggcaa agaccagatg tttgtgttga taattggctc gataaggatt actctgtggt 300

cacaagttag atgtaaagac agaccaaaag cttctgttcg acacagtctg cactttgact 360

gatatgcagt aagtggtttt ccatggaaat gttgntactg angggaaccg g 411

<210> 15355
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-F9

<400> 15355

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tcagtgaaca caacaaccaa acagaggtta agtaaacatt tttccggcag acagacaagc 120

ttttcttcag tgattaggac atctaaggtt aatgtagtga aggcttcttt ggatgggaag 180

aagaagcaag aaggaagaag agattttctc aaaatcttgt taggaaatgc tggggtcggt 240

ttggttgcaa gtgggaaagc aaatgctgat gaacaaggtg tttcttcgtc gaggatgtcg 300

tattcctagg tttctaaaat acttggataa gggatanggt gaataaaagt ttgattttgt 360

atgaaaatgg gactatagct attgtggaaa gctgtttctc ctgaantggg ta 412

<210> 15356
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-G1

<400> 15356

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tctgtagcat ctgagactaa tcctcatccc atcgatcagc ttctttttga tcgtgtctta 120

tgtgatgtcc cgtgtagtgg tgatggtact ctgcgcaagg ctccaagaca tatggcgaag 180

atggaattct ggatctggca atggacttca tagtctacan gttgtgcctt gccatgaaga 240

ngtttatctc cngctaaaaa gttggtggga gaatgggtat actcaacctg ctcaangaac 300

ccaatttgaa agatgaaacc tgttgttgcc gaaaattctg aagganattt ggatgccccn 360

gttgaanctt tgtagatntt cccagataag ccttccagaa nccttattan nannancca 419

<210> 15357
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-G5

<400> 15357

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gaaacaaatg gcgtccaaag ccatcttctt cttctttgtc tctgccgtgt gcctgtcctc 120

tctcgccggt gtggccatcg ctgatgccga tgactttgac cgtttccaaa ttcagggatc 180

ggtttattgt gacacatgcc gtgtccaatt cgttacccgt ctcagcaagt tccttgaagg 240

cgcgaaagtg aagctagaat gcaggagcaa gaacaaacgg aaccgtaaca ttgacaaaag 300

aagccgtaac ggacaaaaca gggagctaca gaatggaagt gaccggtgac catgaggang 360

aagtttgcga agcttgtgct ccgtcgaatc accagacagt ggttgcagtg acgttaacaa 420

agangctt 428

<210> 15358

<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-G6

<400> 15358

aagaagaaac caaaaaccta aaagaacaga cagaggaaga aaagatcttt aatatttttt 60

ttatttctct tcctggttga gaacttttac ttcctctccc cttaattgca acaatgggaa 120

attgttgctc tcatggaaga gattcagatg ataacaaaga agaaccgagg ccggaaaatg 180

gaggcggcgg tgttggtgcc gctgaagcct ctgttagagc ttctaaacac ccgccagcat 240

ctcctcctcc tgcaaccaaa caaggaccaa taggacctgt cttaaggcga ccaatggnag 300

atgtaaagag ctcatataca ttgggtaagg agctangtcc tggacaattt ggggtgactc 360

atctctgcac gcaaaanggn acagggctgc aaatttcntt nnanacacnt gtgnaaaang 420

ggg 423

<210> 15359
<211> 66
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-G8

<400> 15359

aaaagcaaca atgtaatgac aggnaaaaaa gtgttttcca taanagcaca aatcacaana 60

gaaaca 66

<210> 15360
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-G9

<400> 15360

tgtggataat cgattacttg atctgacctg agaaaaagta gaaacctttg agtagagctg 60

gttctattac aaagttgtgt ttgggagctt gctacaagac cattggattt cttcactttc 120

ttcatttgtt gagtctgcta caagatcaag gatctgttga ttttgggtat ttgatcaaaa 180

tctgaaattg atcttgtgga agtaaggttg ctgtagttgt caaggtcttt ggtgaagttt 240

gtttctcaca aagtttgatc cttgaagttg gtctctattg atcttagatc tagtgtgaat 300

aaaggaagtc cttggaaagc agcaagactt gaaaaacgct atcacaagan gaantgcctt 360

cctggaagag aacgtctggg attgctgata gatttatatg attcagagaa agaaactca 419

<210> 15361
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-H10

<400> 15361

aagacaaaaa tatatataaa aaagaaaaaa aaagaaaaaa aaataattgt cttgctctgt 60

tctatttaac ttttcttata tataaaaaaa atggcgaaaa atttactagc aatatgtctg 120

gtgtttatgg ttgcatcaag tgtggtttat gaagtgcaag ggactttctt gttaaagctt 180

tacttgagga ggaagtttcc cagacgttgt atcgactttg ccccttatgc tggcaaaggt 240

atgttgatgc cccgtgagca accttgaagg gggatgtccc gcaactaaga gagttcaaac 300

aattctttca acgttcaagt cttacaatga gctttaacna gctcagcatn cnanatcccg 360

catcnnaaan acatcngang gnngngaang atgggnaaan anttaaattt ncttnccca 419

<210> 15362
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-H11

<400> 15362

nnnnnnngna actgttacgc ctgccggtac ngcgtccnaa attccanggt cgacccacgc 60

gtccgaataa gagtttctct gtcttaaact cattcattct ttctctctct ataaccagag 120

ttctgtctgt gaaaacacac aaatctaaga gaagttatga ataaacaaga tgttatgaaa 180

cttcagactt gtgttctgaa agtgaacgta cactgtgaag ggtgtaagca taaagtgaag 240

aaacaattgc agaaaatcga aggtgtttac tctgtaaaag cagatgtaga acaggggaga 300

gttactgtta cagggaacat tgacccagct cttctggtta agaaacttag caaatcaggc 360

aaacatgccg agatcttagg cggtggtggg aggangaggc ggcggangtg ggaaaagggg 420

ttccctaatc tgaatgggca atttgcaaat ctcaacatgg gtggaaacaa ttaagcccta 480

aaagggtggg 490

<210> 15363
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-H12

<400> 15363

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cgatgaagct ctttgttcat ctctctatct tcttctccat cctcttcatc actctcccat 120

cttcttacag ctgcaccgaa aatgacaaga atgccctcct tcaaatcaag aaagcacttg 180

gcaatcctcc ccttctatcc tcctggaacc cccgaaccga ctgttgtacc ggctggaccg 240

gcgtcgaatg cactaaccgt cgcgttaccg gtctcaagcg ttacctccgg cgaagtctcc 300

ggtcagatct cgtaccagat tggggaactc nttgacctcc ggtncactaa gatttcagct 360

acctgccaca cctcatcggg gaancatncc acgcaccatn accaaaactc aangaancnt 420

cangactnct ctaacttgaa nncaaantan gtctcctccg gttcgnattc ctgantanat 480

nag 483

<210> 15364
<211> 74
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-H2

<400> 15364

cncttgggga cctgctatta tttggccatg cngatgacga agttcttgcg gctctagctg 60

agacgatgac ngaa 74

<210> 15365
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-H3

<400> 15365

ctgcagtcat ccgacgatct caattgctaa agatcgacca gtgttaggca taactttgtc 60

gccagacttc angatgaaac ctattcagtt cgaaaaggat gatgatacaa actatcacat 120

ggatgtgata gcaggactag ccaacatgag ggcgagaaat tacagcatcc ctgaagtgga 180

caagctgaaa gcaaagttca tagcagggag aatcatccca gccattgcga cttcaacagc 240

catggctact gggctggtct gcctcgagct gtacaaggtc cttgatggag gacataaagt 300

ggaagcttac agaaacacat ttgccaacct ggcacttcca ctattctcca tggctgaacc 360

acttccacca aaggtgggtg aaacaccgtg acatggcttg ggacagtttg gggacanatg 420

gggtnnc 427

<210> 15366
<211> 105
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-H4

<400> 15366

tggngtcgtc ctccaatcgc aacaacaccg acacnaatcc tttgaagata aatttcacat 60

tatgtgggcn ggaaatcnac ttcagaactt ccgatnangg gagaa 105

<210> 15367
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-H7

<400> 15367

gtgacataaa aatctacctc agtgaccata gtctcacttt ccaatcccac aaagtcattc 60

taagtctttg gagtgttgca tttgcaaaga tgtttacaaa tgggatgagt gaaagccatt 120

catcaacgat ttacctaacc gatgtatcac cagaagcatt caaggctatg atgaatttca 180

tgtatagtgg agagttgaac atggaagaca ctgtgaattt tggcaccgag ttgattcatc 240

ttctctttct agctgaccgg tttggagttg ttccacttca tcaagaatgc tgcaaaatgc 300

tcttggagtg cctctcaaga ggattctgta tgctcaagtt ctccaagtgg tttcgtctat 360

ctcatcangt anactcattg angagatgtg caaggaggaa gttctccat 409

<210> 15368
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-H9

<400> 15368

gaacccaaaa aatgaaagag ttctcgagag tttctttggt tggtactacg cttcctcagc 60

tgtggcggtt ctcatcgcgt tcacgggtat tgtatacatt caggagcatc tcgggtggaa 120

aatcgggttt ggagtacctg cggtcctcat gttgatcgct gctttgctat tcattcttgc 180

gtctcctctc tatgttacac gtggtgtgac caagagtctc ttcaccggtt tagctcaagc 240

gattgttgca gcttacaaga agaggaagct aagtctacca agatnatcat ggactccttt 300

gattgttatt atcacatgaa agattcctga aatcaaagct ccaagtcaaa agttgaggtt 360

tttgaataaa gcttgtttaa taagtaaccg tgaggaggag antgggtcag at 412

<210> 15369
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-F4

<400> 15369

ttancgaagc ccactgggtt tcggagctga tcggtctcta tttctctctt catacatatc 60

tcaagcagat aaagttgatc ggatactaga atgggaggag gatttagagt tttgcatttg 120

gtgaggccat tcttggcttt tctgcctgag gttcagagtg ctgataggaa ggttccattc 180

agagagaagg ttatctacac tgtcatctct ctcttcatct ttcttgtctg cagtcagctt 240

cctctttatg gaatccattc caccaccggt gcggatccat tctattggat gcgtgtcatt 300

cttgcgtcca accgtggaac tgtcatggag ctcggtatta ctcctattgt tacatctgga 360

cttgtgatgc aactcttggg ctggntccaa gattaatgag gtttgacaac aatgnttcgt 420

ngagg 425

<210> 15370
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-A10

<400> 15370

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cgatgttgag atagaggata tggagtggaa cgaagagatt caagcgtaca cgtatccttg 120

tccttgtggt gatttgttcc agattacgaa agaagatctc cggctcggcg aagagatcgc 180

gaattgccca agttgttctc tttatatcac cgtcatctac aatatggaag attttcaaaa 240

cgatacgaag aagaataacg aacctaaaac tcgtcaccct gtggccgttg cctaaggata 300

gtcatggaat tgattagaag attgttcaac aaccactgca gaagagatta anctgcngtt 360

ttgggaaagc atatgaaaag tgtgttacat taaccacata tagagagaag gg 412

<210> 15371
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-D12

<400> 15371

ctttgacagt ggtggctaca acattaagac tggacctggc tgctcaattg agctcatgaa 60

attcgacatg ggcggttcag ctgctgttct tggcgctgcg aaagctattg gtgagattaa 120

gcctcctggt gttgaggttc atttcatcgt tgcagcctgt gaaaatatga ttagtggaac 180

cggaatgaga cctggagatg tcatcactgc ctcaaacgga aagaccattg aggtcaacaa 240

cacagatgct gaaggtcgtc taacactcgc agatgctcta gtgtatgctt gtaaccaang 300

gcgtcgacaa gattgtttga cctcgccnac ntttgaccgg gggcctggtg ttaattgcct 360

ccttgggaac ttcaatgggc aanggaatnc tatacaccta agccgaccaa gctt 414

<210> 15372
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-D2

<400> 15372

caaatgcaag aagaagaaga agtgtctcta tgtgctctgt ctgaatctgt taacggcgtt 60

ttcaggaact ttgcagctga cttctgacta cgttcctgat aaattcttag tcttcctctc 120

tctctcatag tcagaattgt ttagtatctc tgttttcggg catcgtgtta gaataatttg 180

gataagcttt ctatctgttt ggaatagctt gccgttttgt tattgttgtc caccacttgt 240

tcgatgaaat gactgtgtga aggttttaat tgcttttcga cggtgttatt tgcctctcta 300

tggataacga agttgcattt cttgtcaaat ttcaatccaa aacaaaaatt tgcatttttg 360

cttaagttaa aattttcaga acccagttaa gattaangtt tgccgaaaaa atccaggaac 420

tgttttagc 429

<210> 15373
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-D3

<400> 15373

aaacattagg gagcctctca gatcctcaag aaaaccctaa atcaaaagtc gagatcgatg 60

gcgtccttcg ctcgccgtgc catgagctta gctcagatcc catctgctcg tatttcctct 120

ggagccgctt ctattggtca gcgtcgttgc ctcgccggcg ccgctgatca ccatggatct 180

accaaggttg acttctggaa acagcccacg aacccaggaa actggaaaga ggagcatttt 240

gtgccttaat tctctgtctg gctggggctt acttttccta cagtggataa naagctcncc 300

aacngggggn aaaaaangag acncctgttg gagaattacn caatgagntt tcattngccc 360

caaaggaana acctttttatg gngaaaancc ncccattcna anggcacttt gttttccccn 420

tttagnaaat ttggnnaggg gccc 444

<210> 15374
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-064-Q1-E1-D4

<400> 15374

ttcacggaaa atagaagcgt cgagttcctc ctctccctca ggttgtcaat ggccgctagg 60

ttacttgctt tgagacgcgc tttgtctctt ttcagcaacc aacaacatcg ttttcctttg 120

tctcaagtct caacagagca gttgtcgcta tcaaactcac tcttcagcag aagtcatgtt 180

tatggaagat tatttcagag acagttatct gtaatccgtg aggcaaatga agcttctgta 240

accaatgtct gcaactcgtc aaactctgct actgaatcgg ccaaagttcc ctcccctgcg 300

acgccctctg aggaaatgat ggtgaagtac aagtcccagt taaaaataaa cccgaggcat 360

gacttcatga tggtcttcac ttgcaaagtc cgtgataaaa g 401

<210> 15375
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-D9

<400> 15375

nnnnnnngaa ntgtttacgc ctgncggtac ggcntccaaa aattccangg tcgacccacg 60

cgtccgncca cgcgtccgcc cacgcgtccg agactcttct ccttcgctta ttaagccctc 120

tcaactcttc ttctctctct ctctctctct ccgcctgttc tccattgatc taatctaact 180

cgctcatcag aatcatctct tcatcgttaa tcctcttcct tctcactcac catgtatcgt 240

ttcgcttcta acctcgcctc caaggcaagg attgctcaaa acgctcgcca ggtttccagc 300

agaatgagct ggagcaggaa ctatgcagcg aaagagatta agtttgggng ttgaagctcg 360

aagctttgat gcttaagggg tgttgaagat nttgctgatg ctgttaaaat caccaatggg 420

ttccaaangg gacgtnaatg ttgtgaattg agcaaagttt ggggtgctcc taaagttgac 480

aaaaaagatg gtgt 494

<210> 15376
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-E11

<400> 15376

agagcaagag tttgccagct gcaatcaacg tgctcgccaa gtccctagag tacactgtca 60

agagcaagtc ctataagctt aataaggacg aagaagagag gttactaaaa gaaaagatag 120

aaatggttct ctcggctgag cggggtaatc catccgacca ggaatctagt tctgagagcc 180

ctaagaaagc aagtggagaa aatccaatcc tgcttcttgc atacaagctg ttcaaaaccg 240

atggtccatt gaaggataca atattggatt gtttttggca taacttggac ttctttgagc 300

attgtggctg tgtttactac cgtgacctga tnacacaatg gatacttgaa ggctactttg 360

atcctgttan gtctgtcgaa aaaggcgt 388

<210> 15377
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-E2

<400> 15377

tttaaaaatc tcagcctttg ggcttcgtta gtgttggttt gctttcagaa tttaacttag 60

ttacggtaaa agcaatgctt agcgttatac gatgtgcatc taccgtcgga gattcctatt 120

gttggctgcg aacttacacc ttacgtactt ctccggcggc ctgataagac cccctccacc 180

gatgatgtgc ctgagtcagc cccgcttgaa ggtcacttcn taaagtacag atgngtttcg 240

aagtacagan tgataanaaa cttgcgattt gtagntgtgc atcnatccga nnacggcanc 300

attgcaagtg tctggggatg tctaaagtct aaagttcctg ttgcccaaan agctancant 360

gctccacnaa ngtgcatttc cgaangcgtg gcancannca ccagtngtgt tgcant 416

<210> 15378
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-E4

<400> 15378

ggaacaatcc cagaggtgga gatacttgca agattaccgt tgagaagcat tgcgaggttc 60

aaatcagtat gcaaaagatg gaaatcagta atagaatcgg actacttccg acgtctcttc 120

ggatcttttc accgaagctc ctctacctca tggtcgatca tgttcagaac agagtatctt 180

cgtgagatga cacaagccat aggcttccat ggatgcaaaa catgggatct tcccaaatct 240

ctagtttcat atatcatgcc atttcaagaa tatccgaatc tccctacctc tgaatactac 300

tatatagctt cttccaatgg attgatttgg atcgatgtgc ttgtttctcg catcaagaac 360

aaggtttata gttataaatc tttcgttggt aatccagttt tacaagaatg ggttgagatt 420

cccnccac 428

<210> 15379
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-E5

<400> 15379

aacttcaaac caaaaaaaat aaatgggaga ggttcaagaa aatcctaaac tcttatatca 60

gcttttcaaa tctccatgaa taatattaac aaatttgttc tgatctattt tattttattt 120

ttggtatcag gaagagaaga aaccagaagc agcagaggaa aagaaaatgg aagagaagaa 180

accagaagag aaaaaagaag gagaagacaa gaaagtggat gctgagaaaa aaggagaaga 240

ttctgacaag aagcctcaag aaggagaatc taacaaagat tccaaagaag attctgctcc 300

ggcggcgcct gaggctccan caccgcctcc tccgccgcaa gaggttgttc ttaaggttta 360

catgcactgg tgaaggatgt gctaagaaaa gtnccggcgt ttgtctcnaa ggnntncnan 420

ngnntggnaa g 431

<210> 15380
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-E6

<400> 15380

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gcttctccgg tccaactttc cgatcaactc ctcactcact cacttcaaaa cgtcctanct 120

ccatcaaagc tactacttct tctccttcaa gactctccaa ttcacgatct aatctcaaag 180

gaagagcatt gtctagtgat ggttcaacac aagaatctcc ttatgtagtc tgttttggag 240

aaatgctaat cgattttgta ccgacgacaa gcggactttc antagccgat gcaccggctt 300

ttaaaaaagc tccaggtggt gcagctgcta atgtanctgt tgggantgct cgtcttgggt 360

ggttcctcaa gctttcaant ggnaagggtn ggtgaagatg agtttgggtt aaaatgcntt 420

gcg 423

<210> 15381
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-E7

<400> 15381

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tactgagaag gccaaaaagt cgttgagcat taatgagttc ttgaagccgg ctgatggaaa 120

gaggtacaac gggagaggtg gaggctcccg cggaagagga ggtcgcggtg gtcgtggtga 180

aggaggaaac caaaggtatg caaaagaagc tgcagctccg gcgattggag acacagctca 240

gttcccttcg ttgggctagt aaagacccct ggtccttcag cctcgctatc tctgtctttc 300

gtttctcttt ggttgaattt tgttagtttt ataatttttt gttacacttt ctgaaggtct 360

tttctgcgaa actattacgt tttttaagtt atganaaaaa ttattaagat naaaaaaaan 420

aaa 423

<210> 15382
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-E9

<400> 15382

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gaagaagatg gtgaggatca ttcctatggc tgcttcctcc attcgacctt ccctcgcctg 120

cttctctgat tctcctcgct tccccatctc cctcctctcc agaaatcnct ctcgcactct 180

ccatgttcct caatcacagn tttttggntt aacttctcat aancntttga caacaagtgt 240

aaaactgttt agcgagttgc tgaatctggg taatagcagc tcaanagctn actacagcaa 300

agatgaatcn tctcacctng nggttaataa tgatnaggng nangaattgc ttcaatgttg 360

gtttanccgt tgttggcnga naatgggacc gggaccgatt aaaggtttta nnactggnat 420

g 421

<210> 15383
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-F1

<400> 15383

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ggaaactgaa attgagatcg aagttttgag tttgggtaaa aaatggtagg aggagtagaa 120

gaattgagta ttgaacagtt agcttcgagt atctctacct acaaagaaca actcgaacag 180

gttaggcagc ttttgtcaga ggatcctagg aactcggaat atgcagacat ggaaaaggag 240

cttaaagagg tgattgcatt gacagaggaa gttcttgcaa ctgcaaagca aaatgagatt 300

tctctatcag atgccggagt tagtgctgaa gcaactcctg ggctcacccg atttagaggg 360

tgcttgggaa aagacgggtt taaggaatga cccaatccat gaaggtaagt tcccnggttg 420

gaacnaaa 428

<210> 15384
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-F3

<400> 15384

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gtccgatctt ttcaccgccc ttctcatagc agctctcgcc gatcctgtgt aatcgggaat 120

cggtaatcgt cagggtctgt ttggggtacg gcgacgcgat tttctgatta ttagggttta 180

agatctcgag gttgaggaga gcttgaaaag ttgtttgtca acatggagcg caagactatt 240

gacttggagc aaggatggga ctatatgcag actgggaatt actaagctga aacggattct 300

ggaaggattg aatgagccan catttgactc tgagcaatat atgatgcttt atacgactat 360

ccacaacatg tgcncccaga aacctcctca tgattacncc agcagctttt atgacaagta 420

tccgggaaac atttgaggaa tatattaacc caacantttt gccctgcntt ttanggaaaa 480

accat 485

<210> 15385
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-D11

<400> 15385

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aagagtaata gcgcggcgga gccatggttc tcaagactga gctttgccga ttcagtggcc 120

agaaaattta ccctggtaga gggatcagat ttatccgatc ggactctcag gtgtttttgt 180

ttctcaactc caaatgtaan aggtatttcc acaacaagtt gaagccatct aagctttgct 240

ggactgctat gtaccgaaag cagcacanga aggacgcagc acaaggaggc tgtgaagaga 300

angagacgtg caactagcga agccttactc aagggtcgaa tttgtccggg tgctactttt 360

nnagggtnat tcagananaa gcnnngcaat ngaancccct gaaagttcnn tgaatgccgc 420

ctanangaag ctgccctacg ttaagatnaa nggagangaa tcacgaaana ccnatggacg 480

aagaanaa 488

<210> 15386
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-A9

<400> 15386

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attgtctctt ggaggacagg aacaccttgt ggagactact tatggcccgg tttgtgttgc 120

cgtttgtgga gatccagata aaccagctct tatcacttat cctgatatag ctcttaatta 180

tatgttctgt tttcaaggat tattgttttg tccagaagct agttctttgt tactccacaa 240

cttttgcata tatcacatca agtcctcttg gccatgagtt gggagctcca atgatcagtg 300

ttgatgcccc tttgctcctc aagctgaatg acctaacaag ancaaatagt cccagggtcc 360

ttaattaant tccggacctt ggtgcaagta aatgtgtaag ggggtggtc 409

<210> 15387
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-B10

<400> 15387

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catatagtta tcataaaccc acacgtcaac gaaaccactc ttttgacttc atcctctatc 120

caatcacacc acgccacgtt aacaccacga cctagtgttt ctgtgatctc cacacagaga 180

aagaagcgtt tcggttctgt tttcgcccca acacaaagac tccttttgtt tcttttcctc 240

aattggatcg aaaaaacccc taactttgac atggaaggag agattcaaga ctgggaaata 300

cttcagagct cgagatctac cacggaagat gacaattcga ggagcttgga ggagattgat 360

gatggcacgc aaggtatgat tangtttgat catttctctc ttgagaacca gagtggt 417

<210> 15388
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-B12

<400> 15388

cttctccttc ttcttcttca acaacaaact tccattgttc ttaataccta gctagctctt 60

ccccggtttg agattatccc aaaataacac cggttctcgg gtaaccggtc ggtttttccg 120

gagcaaccaa ccctttttact tctctttatc attgtctcag atcttctgtt cttcaaaggc 180

aaaaatgggc ataaaccaaa gatcattgtg aattagggtt tcactgtgtc tccaaaatgg 240

aagatatact tggagaagaa aatcaaatca cgaaaatata ttgatcagtg ccttgaagga 300

aaccaaagtt gacaactcca aaaatccatt tcgttattaa tatcnaactg agtgatcata 360

agtcaatcat ccataacaat gtancatcca aacntgtttg agaggcatca tatgtt 416

<210> 15389
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-B2

<400> 15389

aaaagctctc tctctctatc tcccacgatt tccttttttcc gccggaagaa gaagcaaaaa 60

aaaaagaaat cgaatctctc tttcaagtgt tcgatttaaa gcaaaagtgt aattataatc 120

ggaagcgaga tcttgagaaa tggtgggatg acggcggagg gagatggcga ggggaggagg 180

agaatggacc ggagggatcg ccggaaccgg agttctctct ttcaaaagaa tcactctact 240

tgtttgcttt ttcaacattc tcattgctct ctttgttctt cgctttctct atgcttcttc 300

tctccacatc tattccaata acgataatgt tgttaagtac acagctgatg agattangaa 360

aatggaggaa tctattcgga ttcgaagatc ganggaacct actcctgaat ccttca 416

<210> 15390
<211> 359
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-B4

<400> 15390

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aagcaaactt tgggcaagcg ttgcattggg ctaacgttgc ctccaaaggg tggtgtcatt 120

cccccaagcc gtgttgctcc gggcgttaaa aacctcaaca gcatanccaa gacgacccca 180

gaccgtcagc aagcttgcaa ttgcattcaa ggtgccgcta gagccttagg ctctggtctc 240

aacgctggcc gtgcagctgg aattcctaag gcatgtggag tcaatattcc ttacaaaatc 300

agcaccaagc accaactgca aaaccgtgag gtgatgagct ancaacngtg agatgatgc 359

<210> 15391
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-B5

<400> 15391

atgaaaacag acatgatgcc tgaaaaccaa ggtggtcgtg atagactttc aagtatgcca 60

aagagttcct ggacatctga aagttaccag ctgaagccac aatctagttt ttctgggtcg 120

caccctctg gtagccctaa cgcaagaaac actacaaatg gtagtcagtg ggaaagcagt 180

ttattttcca gctcaatgtc tgatttattt agtagaaagc tgcggctaca gggaagtgat 240

atgctatcca ctatgtctgc aaacacagtt gttacccacc gtgaagaaga accgtctgaa 300

tctttggaag agattgaggc acaaactatt ggaaatcttc tcccaagatg aagatgatct 360

ttttgcagaa gtgacaagtg angttgggcn ttaa 394

<210> 15392
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-063-Q1-E1-B7

<400> 15392

ctttgtcttc tttctcttta aagaacctca ctctctctct ctttagtcaa aaatccccaa 60

ttcgtgaaca aattagggtt tttgaagttt gaagaaggag agaaagatga gtgcttcaag 120

gtttatcaag tgtgtcactg tcggcgacgg tgctgttgga aagacttgtc ttctcatctc 180

ctacactagc aacactttcc ccacggatta tgtgccaact gtgttcgata atttcagtgc 240

caatgtgatt gttgatggca acactatcaa cttgggattg tgggacactg cagggcaaga 300

ggactacaat agactaagac ctttgagcta tcgcggtgca gatgtcttct tacttgcatt 360

ctcacttgtc agcaaagcta gctatganaa tgtttccaaa aagtgggttc c 411

<210> 15393
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-C1

<400> 15393

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gagtaatcca cgattctgca ttgtngatcg anctanacaa tggnaatgtt ccaaatatat 120

ctgatttgtc atacaaaagc gttcctgtgc acagcgtaca agttggntcc natgttttgg 180

ttggaactgg tgaaattgtg cctgtagatt gcgagagtct atcaaggtag tgcnacaatt 240

acaattgagc acttgactgg ggaagtcaag ccgttggagg caaaagctgc gagatagacg 300

tgcctggtgg tgcaagaaat ttggatggca gaatgattgt aaaggctaca aaggcatgga 360

atgattcgac gcttaacaan attgtacagc tgaccgagga agcacattct aatangaccc 420

aaacntcata gatggcnggg nnnagtttgg gcnagaattt tcgnaagggn tttg 474

<210> 15394
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-C10

<400> 15394

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ttagagctaa tgtaaaggaa atagcttttg accagcactc tagagctgct ctacaagctg 120

gtattgataa gcttgctgat tgtgttggtc tcactcttgg ccctagaggg aggaatgttg 180

tgttggatga atttggaagt cctaaggttg tgaatgatgg agtcaccatt gctagagcta 240

ttgagttacc taatgccatg gaaaatgctg gtgcagcgct tattcgtgag gttgcgacta 300

agactaatga ctctgctggt gatgggacaa ccactgcgtc tatccttgct ccnggaaata 360

atcaaacatg gattgttgag cgtcacttct ggtgcgaa 398

<210> 15395
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-C12

<400> 15395

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tcggatcnac cgtcatctcc ggcgaggtta ccgacggttt cgttaacccg atcaggnaag 120

tcntcccgga ggagaacgat naacaactcc tcaacgcana acatcacttc actctantca 180

aatcnaagta cgagaagact tacgcgactc aggtagagca cgatcatcgg ttccgtgtcn 240

tcaaagctaa cctaagacga gctaggcgta accaggcttc tagatccgtc tgcncgtcna 300

cggcgncang gcagttctca agatcttact ccgaaagaat tnggccggcn aagtttttag 360

gactgacaac gcccgagcgg tttcntcntc cnaagggata ctcagnacgn gngccnattt 420

cttcggacna g 431

<210> 15396
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-C2

<400> 15396

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tcgaagaatt taggggtttc ttcaattcta ccacgaccat catcagtgaa ctcaagacta 180

tcagtttcta gggtttttcn caatcattcg agctccaatt ttggtttcgc catcgattcc 240

aaggaagaga aaagagttta tcgctaaagc tgaagagagt actgaaggtg aaactgaggc 300

tgttgtggag aatgctgttg aaactgaagc ggaatgngaa ggagaagcca ctgttgcggc 360

ggnngaagct aaanctccgt ggaagacgag agtcaagctc ggagatatca tgggggctac 420

tgaacaagga aagctantgn nngntgcaga cactggtnat gacccnggtt ccct 474

<210> 15397
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-C3

<400> 15397

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accctggtta atgatgtcag gggtgatggt ttctatgagg gtggtgacaa tggagatgca 120

atcgaggcac acgaatggaa atgtgttcgt acaatcaatg gtgttaggat ttttgaagat 180

gttgctaact tcaaggctgg tcgaggagtt cttgtgaaag ccgttgctgt agttgaagca 240

agtgcggata ccgtgttcga agtacttttg aacattgaca aacatcaaag atacgagtgg 300

gatgcagtaa caggtgattc ggaaaagata gactcatacg agggtcacta tgatgtcatt 360

tattgcatat acgatcctaa atatctttcg cgatggcagt caaagagaga ttttgtgttc 420

tctaaacagt gggttcgtgg gcaagatggg acatatacaa tccntacagt t 471

<210> 15398
<211> 383
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-063-Q1-E1-C4

<400> 15398

agcagctatt gaacatgata aagctactga aggatgctat agatgaaatc cctaacacaa 60

atgatggggg tagtggtgtt gtagagatca attctatttc agctattttt ttcgtagttc 120

ttgcttcggg attcctggtg attctttaca agcttatgtc ttattggttt gtggagcttc 180

ttgtggtcgt tttctgcatt ggtggtgttg agggtttgca aacttgcctc gtcgcgttac 240

tatcaagatg gttccaacgt gctgcagata cttatgtaaa agtccctttc cttggaccta 300

tctcttacct cactcttgca gtttctcctt tctgcattgt ctttgctgtt ctatgggctg 360

tataccgagt tcaacccttt gct 383

<210> 15399
<211> 112
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-C5

<400> 15399

gatgcttcng caacagttan gtggaactgc aggaataant tcttacggaa gcactctatt 60

taaanttgcc gggtttcctg ctcggattgg gatgatggtg ttatctcnta tc 112

<210> 15400
<211> 89
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-D1

<400> 15400

aaaggtcacc naacatgtgt gnttccgtcg gaatccaatg aatcacttgg gctttcggtg 60

gtatgaaatt tgccttagnc tactgtacc 89

<210> 15401
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-D10

<400> 15401

ttgttaatca acttcttaan ggagtttcct ccananagta agcttgacag tgaatcatac 60

ggtnaccaga acagtacaat cactaaaagc cacatagaac acaatttgga tggactcact 120

gttgaagagg ctctggagaa agagaagttg tttatattag accaccatga cacactgatg 180

ccatactttg ggacgcgtaa acaccaccac gaccaagact tatgccaaca aggacacttc 240

tgttcttgaa aagatgatgg gaccttgaan ccgtttggtg atananctga accttgcctc 300

atccnaatng gagacaaaat ttnggancaa tgagtgaagt atanacnccn tggngaangt 360

gtccnacaaa ncccaatggg caatttggct aaaggncttt ttg 403

<210> 15402
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-A8

<400> 15402

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taatgganaa gataagacaa ccaacacatg caggctcttg gnataccgat aatcctacaa 120

aattgtcatc tgatcttgaa naatggctta atgcaactgg tttgaccaaa tctcctgatg 180

tacgaggcgt cattgcacca cacgcaggtt attcgtactc cggtcgtgca gctgcttatg 240

cttttgcaaa catagatcct actaacattt cacggatatt tcttcttggt ccatctcacc 300

acttttatac tccaaaatgt gccctttcga cngcaacagt ttataaaacc cccattggga 360

aatctacctg ttgangtggn gatgantaag gagatannan gccannngga ag 412

<210> 15403
<211> 66
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-D4

<400> 15403

cantccgaaa gctagatctt gggaaatggt gggatgacng cggagggaga tggcganggg 60

aggagg 66

<210> 15404
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-G5

<400> 15404

tcgcagccga gacctgcgtg gcagcctggt aagccgtcgt ggacgcatca acctgcaccg 60

aagcagagta cgatccgatc tgagatcgga agtggaccga cttcaatggt gggtgatatt 120

catggtaaga cgtgggggtc agcttcggga tcgggttcgg gtattgggat tgtgaataag 180

gatcctagtt tgtttggaga tttggttggt tctgcgatag gtcaaggtaa atctagtaga 240

aacgtgccgt tgaagaatgc accgcctgtt tcggcttcag gttcgagtaa gagtccttat 300

tctatgggga atttgggtga ttcgttgcct aaatctgggt aattcgatga aaactggtgg 360

tggtatgggt tatagcagta atccgantgg gttttccggg ggggtaaacc aacc 414

<210> 15405
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-G6

<400> 15405

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ccaaagtaaa atgtctttca gatgctggtt tttttctcaa cacaagagac gtctcaggag 120

ttcaatacat taaaacatac ttcgaagatg ttgttactct tcatggatca gcaaagaact 180

tgccgaggtc atgcacatca agattaactc ctgcaatgtg tttctttccg caatatgtgg 240

ctcgccagat tagaactcct ctgttcattc ttaatgccgc ttatgactct tggcagataa 300

agaacatttt ggctccgcga gcagctgatc cttacggaaa atggcaaagt tgtcaactag 360

acatcaagaa ttgccatcca agtcaagatn aaagttatgc aagatttcan gttaagagtt 420

c 421

<210> 15406

<211> 257
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-H1

<400> 15406

gttctaagat cgcgagccgg ccgccctttt ttttttttt ttgcaagatt gataaatata 60

tcgtctgatt gataatttcg atctgcatga ctatatgaat tggttatgtt tgttttgata 120

gttaatatct gttattttca tttttgtata acaaataatg ttatgtttgc gaatgaatta 180

agtttccatt ttcttactaa aaaaaaaaaa aaaaaaaana aaagaaaaaa nanaaaanaa 240

aaaaaaaaaa agggcgg 257

<210> 15407
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-H2

<400> 15407

attttgttca cacagagata gacatggctt ccgatataaa cagaagaaga tcgttctctc 60

ttctagtctt gattattgtg atgctttatg ggcataaagg tgattcaaaa tgtgatttcg 120

aagcaatttt caacttcgga gactcgaatt cggacactgg cggattttgg gctgcttttc 180

ctgcccaatc tggtccatgg ggaatgactt atttcaagaa accagccggt cgtgcttcag 240

acggtcgtct tatcattgat tttctagcca aatctcttgg aatgcctttc ctaagcccat 300

atttgcaatc tattggatcg gattttcgac atggcgcaaa ctttgcgacg ttagcgtcca 360

cggttctctt gccaaacacg tctttatttg tctccggaat cagccctttc tcantcgcta 420

att 423

<210> 15408
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-H4

<400> 15408

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ctaccaagtc gaaagaatcg agtagtagtg gaagttctgc cagtggaagt gttgctacca 120

aatccaaaga atccagcggt ggaagtgctg ctaccaaatc caaagaatct agcggtggaa 180

gtgctgctac caaatccaaa gaatctagtg gtggaagtgc tactacaggt aaaacttcgg 240

gcagtccgag cggaagtcct aaggccaagc ccatctggtt cagttagtgg caaatcatct 300

tcaaaaggaa gcgcaagtgc tcaaggaagc gcaagtgctc aaggaagtgc aagtgctcaa 360

ggaaacgcaa agttgctcaa nggaattgca agtggcnca 399

<210> 15409
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-062-Q1-E1-H5

<400> 15409

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gcagccaaaa acctttgcaa atgtcttcat cgccatcgtc ggcgccggcg tgctcggact 120

tccgtacacc ttcaagaaga ctggatggct cttgggcctc ctcacactcc tcttcgtatc 180

ctccctcacc ttcttctgta tgatgctcct cgtccacacc cgccggaaac tcgagtccct 240

ctccggcttc aacagcatca cttctttcgg agatctcggc gaatccgtct gcggccctgc 300

cggtcgtctc gtcgtcgatg ttatgcttgt cctttcccaa tctggcttct gcgtcaagtt 360

accttatctt cgtccgccaa cacaatgggt aatctcc 397

<210> 15410
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-H6

<400> 15410

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acagacatgg gcgcgtatat tatctccact gggaactctt catcattcgt gtttgatgct 120

gttccatggg gtctggaagg tgttcttcag catataaagc atcgctataa caatcctcca 180

atctacattc ttgaaaatgg ttcaccgatg aaacacgatt cgatgctaca agacacacca 240

agagttgaat acattcaagc ttacattggt gctgtcctca acgctatcaa gagtggatcg 300

gacacgagag gttacttcgt atggtcgctg atagatttgt ttgaggtaca ggttggatat 360

aaaagcagct tcggaatgta ctaagtcaat tttagcgatt ctgggcncaa gaaggccncc 420

ag 422

<210> 15411
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-H8

<400> 15411

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ttggtggtgt gaggtaaagc ttcggtagtt agagatgaat gcgtccggct taactgttac 120

tccgcccaga tttcactttc gatggcgttc tgatcgtttt ggtacatctc agagaagctc 180

tcaagctttt actgttctta gcaaattgaa taatcgaaat tccgcttggc ctgttcttaa 240

aagttctcgt ttggcgcttc ctacacaaag aagaaatgct atgatcactc gtgccatgag 300

tgcttccttt ggtgatatgg cagacgattc agctgctatc ttccctcgga tcaatgtcaa 360

agacccatat aaacggcttg ggataagccg gatggcctca nangatgaga atcaanggac 420

gaagg 425

<210> 15412
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-A1

<400> 15412

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tctgactttt cgttcttttc tcttacaccc aagcgtttta acaatctaac atctgtctct 120

ttgaanactt agatatccaa cttcaatttc tctcctttct cttcncaact ttgattcctg 180

atttgggtct ttgttaaagt tcaagaaagt tctttttttct ttttttttcc tcctttaatg 240

gncgaagttt ctcctgcagt cgctgttcca ttcagaccat tcactgaccc tcacgccgga 300

cttagaggct attgnaacgg tgaatctagg gttacnttac cgggaaagtt cntgtncagg 360

cgacggnncn anncaagaat ngtcnttggt natcccgngn a 401

<210> 15413
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-A11

<400> 15413

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aaactttcaa tttctctctt gatcctcact tgaatttttt gttgtttctc tcaaatcttt 120

gatcctttcc tttgtttttc atttgacctc ttacaaaaaa atctggtgtg ccattaaatc 180

tttantaatg gnacaacttc ctccgaaaat cccaaccatg acgacgccaa attgggctga 240

nttctcctcc cagaaantcc cttccatanc cgcaacggcg gcangccgca ncaaccggct 300

ggacntcann aanaannccc ttcaagggat ggatgagttt ctcgaacttc tcaagcgant 360

ccgccgtggg aantcaccgt cggttctnan aaggcgagt 399

<210> 15414
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-A12

<400> 15414

acgcctgcct ntaccgggnc caaaattcnc ggatacgacc cacgggcccg atttcaaacc 60

caagcttctc gatttctctc ctctgctctc caattccatc ttcccatggc natttcggct 120

ccagccgctt gttcttcctc ctctagaatt ctctgttcct actcctctcn ttctccttct 180

ctctgtcccg ccatttccan ctctggtaaa ctcaaaaccc taactctctc ttcntccttc 240

ctcccttctt actcattaac caccanctcc gcttctcaat cnactcgtcg ctccttcanc 300

gtccggcgcc gctcgtggna agttcgatga ggaagaagnn tcatgtnaan atcggaacca 360

tcggtcatgt tgatcatggg aaanatactt ntaatgcgca actctaacca tgggntctcg 420

cttncaantg gttcnaagcg tcgcnaa 447

<210> 15415
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-A2

<400> 15415

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ataagcaggt acaagcgata tgtgatcgng ttttcgatcg gttcaagatg caaaccggaa 120

gagccaatct tacntttgaa nagttataca tcgctgttct tctcgtttac aatgacataa 180

acaacagatt gcctggtcct catttcgatc caccttctaa ggatctagtc aatagcatta 240

tgacggactg tgatatcaac ttggatggan aacttgataa tggaagagtt tgtnaagttt 300

attgaccaga ttacggntga nacgtttaaa gtggttantc aagggtttga tcatagcttt 360

gattgttgcn cccacngttg gctantgcna cgacgaaggg caacngnaag gtgtcccttg 420

<210> 15416
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-A3

<400> 15416

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gccacgagtc tctctcactt cctcatcctc tcttcctcca ggttctctcg tctcgggtct 120

ctcactagat tactctccaa acccacctct ctctccggct ctttttcttc catttcggtc 180

accggacaag ggttccgatg ctgttgctcc gtcgccacan atgacacttc tccttctgta 240

aagaaacgtg tggtctctgg tgtccancct acaggttcag ttcacttagg caactatctc 300

ggggntatca aaaactgggt cgctcttcag gatacatatg aaacactctt tatcatcnta 360

naccatcacg cgatnacact tccatatgat acangtcaac taggaaaggc aacaacggtt 420

ttcgcaggan ttttttcgtnn caannntggta nanaactcnc caangggtt 469

<210> 15417
<211> 329
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-A5

<400> 15417

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ccttcactgt ccgagctgtt aaatccgaca aganaanatt cnaagtagtt caaccaatca 120

acggtgatcc attcatcgga agtttggaaa ctccggtgac atcaagccca ttgatcgcgt 180

ggtacctttc caacctccct ggataccgta ccgccgtcaa ccctctcctc ngcggtgtgg 240

aagtgggcct ggcccatggg tttcttctta ntggggccca ttcggtcaaa ngctggncca 300

ttaacggaac accgggntta cncccgggt 329

<210> 15418
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-A7

<400> 15418

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tttttgcttc ttcgttgtag atgctgctgg ttgtctgaaa aacatttatc tttcgctctg 120

cgaatcttcc tgtgcggagg aggaacaatg aacgggacat cgcccgacga atctcccgat 180

tcgacaactc agcggatcga ttcgttcaac ggcgagcaga gagtctactt cgttcccttg 240

aggtggtgga aagatgcgca agattcaatg ccttctgaat cagttgaaaa aagagagatc 300

ttgtatacag caagttgcgg gtcgtcttat ggaggcccaa tgaagttgat aaataacatt 360

tttaactctg atattttgtt cgatctgang agagaaggan atgcgttaca 410

<210> 15419
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-G4

<400> 15419

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atggcactct tctgaagtcc ttccatcatt tgcttcaccg aaataagaaa gttgatttca 120

ttgaacaatt caatgaaaag cttctagtta agcaagagaa cgagaatcta caaatacttg 180

acgttcgaaa tgctgagctg atagaagtta gcagaactga cttcatgaca ccatcagcat 240

tcatattttt gtatgagaat cagttgtttc taacattcag gaaccgaaat gtttctgtgt 300

ggaatttccg cggagagctt gtgacctcgt ttgaggatca tcttctttgg catccaagac 360

tgtaacacaa acaatatcta cataacaagg cgatnaaaga tctggatnaa ccc 413

<210> 15420
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-E10

<400> 15420

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gattcttctg aaagttccca gaagccttct cttggttcca tggttggtaa aacacgagaa 120

ggtgaagaga aaaattgtga tgatgttagt aggaaaatca gtacgaggaa gaacaaattc 180

caaaaagaaa cagctgatac tggtgccagt ggagctctag gcctgcagac tctagaccat 240

atggattcta aagtgtcagg gagctctgcg tctcagatct ctggaggttc tgaacttaac 300

aaaatgacac cgagcagttc acttcctgat gatcacaaac cgcagtctgt tgaaatggta 360

tcagagggaa taagtagtgg caatagagac agagctatcg aattaaaacg agaactggtg 420

gtttcaagaa actgaaaaag atattcanga aacaaagcct gggatctgtt ttaattcaaa 480

gaancatcaa agnccttgcg g 501

<210> 15421
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-E11

<400> 15421

cctcaaactt tttgaatccg aaacgagaaa acaaactatg ttacagtcca ttcatcttcg 60

tttttcctcc acaccatcac cttctaaaag agaatctctc ataattccat cggttatttg 120

ctcatttcct ttcacctctt cttcgttccg tccaaagcaa acccagaaac tgaagcgtct 180

ggttcaattt tgcgctcctt acgaggtcgg aggtggatac accgatgaag aattgttcga 240

aagatacgga actcagcana atcaaactaa tgtcaaagat aaattagatc cagctgagta 300

tgaagctttg cttaaaggag gcgaacaagt gacttccgtt cttgaagaaa tgattaccct 360

cttggaagat atgaagatga atgaagcatc tgaaaatgtt gctgtagaaa tggntgncca 420

aagnngtttt ng 432

<210> 15422
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-E12

<400> 15422

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taaaagcttc ggtggtggtc tcttgacttc tctgagaaga agaaaaggaa gctgagtctc 120

attttagatt cagctcacga ggaagtgacg acgatgtctc attctagaag actttcgttg 180

gaacctgcta tagattcaat cactggtcga tttcgtgatt tacagagaaa tgatgatgac 240

gtcaacaaac ctgattttcg agaactcgat ctaggttctc ctgtttctac cttaatgcca 300

cgtggctctg cttcttcttc cgctgctgcg actcctacta gcaagctctg gctcttctgg 360

ctctgcttct ggtaaaccgt cggtgagttc tcagatgggc taaacngtta gatgatggnn 420

tacaagagtc attcccgggg aag 443

<210> 15423
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-E3

<400> 15423

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agagacgacg ccttgctatc gccgctcgat ctcaccgact atcacgccgg aagattcgta 120

agagacctcc tgatagagat atgtcctcca tagtttcaat cccggagctt cctcgccggc 180

gggattctga ggaaagcctg cttttagatt ctcgaatcag tgtagctgaa ggagatacat 240

cgaatacaga tgtagaagga gacagagata ctacttctag tattagaaca cagcctcccc 300

ctcgtaaagg aagaaatctt agtagcagca agaatcaaat tctacggtgt tgaattatca 360

ccagataatg ttgctgtagc aatggtgtaa tttggtcaaa ggggtttaag gnccnncag 419

<210> 15424
<211> 289
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-E4

<400> 15424

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acgagagacg acgccttgct atcgccgctc gatctcaccg actatcacgc cggangattc 120

gtancagacc tcctgataga gatatgtcct ccatagtttc aatcccggag cttcctcgcc 180

ggcgggattc tgaggaaagc ctgcttttag attctcgant cagtgtacct gaaggagata 240

catcgagnta cangatgtan ancggagaca ggagatacna cttcnagta 289

<210> 15425
<211> 286
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-E6

<400> 15425

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gcgaacggga aataaacgtt cgtcatcgtc ttcactacgg ctatttctct ctccgactag 120

aagcgctctc cgtacgccga ctatttccgc ggaggaggtg aaagatgtcc cgatgccgaa 180

gattgataag aacggccgat taagcaatcc tcganccgca agccaacccn ctcntgnnat 240

aatttaagcc ncnagnctaa aaagnnccga accaantcct ccccttt 286

<210> 15426
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-E7

<400> 15426

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atctctcttc cgaagtatta ccatcaatgg cgacttcttc ttcttcatcg tcgtctctgc 120

ttttaccaaa catcaatttc aactcaagac aatctccaac aatcactcgt tccgtttcaa 180

tcgccgggat cttcttaccc agaaaccgat taagctacaa tcacaatctc cggattcgta 240

cgagattaat cagagcttct aaagacgata atgtcgctgt tgaagatcgt gataatgcag 300

tgaagatcaa cggtgattac aacggaagtg cacgtttaaa cggtaacggc tctgcgagaa 360

aatccgtcaa cggagatttt aacggaagtg ctcgtttgaa cggnaacggt aatttggg 418

<210> 15427
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-062-Q1-E1-E8

<400> 15427

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ggagcattcc atggattcgc ttcgatttct ccggattctt cttctatcat cttcgatttt 120

actcttatct ctccgttcta cagtcaccgc cggtgatatt gttcatcaag acaatttagc 180

tccgaagaaa ccaggttgcg agaatgactt cgttttggtg aaagttcaaa cgtggattga 240

tggtgttgag aatgaggagt ttgtgggggt tggcgctaga tttgggaagc ggatagtttc 300

caaggagaag aatgcaaacc aagactcacc ttgtttttgc aaatcctcgt gattcttgta 360

caccgctcaa agaacaagct ttctggaaat gttggtaatg tgggaa 406

<210> 15428
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-062-Q1-E1-F1

<400> 15428

taaaaccctt ttgatcaaaa catggcttcc atttccagaa tcttaccaac agatggcaga 60

ttaagtcaat gcagaatcaa cacctcgtgg gttccttcta caaccagaac tcaaactcac 120

ttagattttc ccaagttagt ttctgttagt aactctggga taagtttgag gattcagaat 180

agtaaaccta ttagccctgt ctttgctctt gaagcaactt cctccaggag ggttgtttgc 240

aaagctgctg ctggtgtgtc aggtgactta cctgagagta ctcctaagga acttagtcag 300

tatgagaaga ttattgagct tttgacaacc ctttttccac tttgggttat tttgggaaca 360

cttgttggca tcttcaagcc atccttgggt acatgggtgg gaacaaattt cctt 414

<210> 15429
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-F11

<400> 15429

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ttctggttct ctctctcggt aactttctga gctgaagaac cctaattctt atcttcaccg 120

gattccgggt atagggcttt gtaaagttgt tgaatttaca aagaaagata tgctggtttg 180

tctgggtttt gtagaagaat ctgtgttgtt gctttgagat taaagtccga acaatgttgg 240

gtttgattca tgtccttgat gagctcgtca atggtcttat gccactgctt atcattcagt 300

agtcaaaacc cagatcctga atcatcatca tcttctcttc ttcgttataa gccttgtgat 360

tcgatttcgt tgtggggtaa gagaaggaag aagctttgga gatttgttcc caagtgcggg 420

agaagaataa cagtcatacg ggtaataata atangangag aagaaactgg gnggganaag 480

gtttccttgn agaa 494

<210> 15430
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-F12

<400> 15430

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atgggaaagt ctaaatccgc caccaaagtt gttgcagaga ttaaggccac taagcctttg 120

aagaaaggca agagagagcc tgaagatgat attgacacca aagtgagtct taagaagcag 180

aagaaagacg tgattgctgc tgtccagaag gaaaaagctg tgaagaaggt tcctaagaag 240

gttgagagct ctgatgattc agattctgaa tctgaggaag aggagaaggc taagaaagtc 300

ccagccaaga aggctgcttc aagcagtgat gagtcatctg atgactcttc ttcagatgat 360

gaacctgcac ccaagaangc cgttgctgct actaacngga ctgttgcnaa naanntaaag 420

gntgctcnac aacaaccgga gg 442

<210> 15431
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-062-Q1-E1-F8

<400> 15431

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accatttctg gatcacaact cccacacact cttttaaatc aaaacaaaat atctctttcc 180

tgttagagac aatggacgga ttgatcagag gtttggtcga cgtggctatc ggaggaaacc 240

aacgccgcgg cggagacgat ggtggtgatg atgaaggcaa ctcgagggac gagagatcca 300

gatctacttg ggctaatgtg gtttccggtg aggaagagga tcagaatcgc gcgggaggat 360

cgtcgcacgg ccgtcgccag aattcagagg aaaatccatg ggaaaaagaa aggggaag 418

<210> 15432
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-F9

<400> 15432

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aacaagagta ttcaagaggg agatgctgtg ttgatgcggt cgtcggagcc tggaaaaccg 120

tcgtacgtag cgagggtaga ggcgatcgag acggacgcgc gtggatcgca cgcgaaagtt 180

cgtgtgaggt ggtattatcg ccctgaggaa tctatcggag ggaggagaca attccatgga 240

gccaaggagg ttttttctctc tgaccacttc gattttcaaa gcgccgatac gattgaagga 300

aagtgtaagg ttcacagttt caagtagcta caccaaactt gactcctgtt ggaaacgacg 360

acttcctccg tcgtttccan gtacaaatcc actaacgggg gncntttggt tccnga 416

<210> 15433
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-G11

<400> 15433

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gtagcttgga accccgtttc ttctcacgcc gacggtgttt caccgattct tgcttcttgc 180

agtggcgata acactgttcg aatctgggaa caaagctctc tctctcgctc ctggacttgc 240

aagttttgga agagacgcat acaagaactg tgaggtcgtg cgcttggtca ccctcaggac 300

agttattggc cactgcaagt tttgatggta ccactggcat ttggaagaat tacggttctg 360

agtttgagtg tatttccact ttggagggga catgaaaacg aagtccaaat gtttcaatgg 420

gaagcatncn ggtcca 436

<210> 15434
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-E1

<400> 15434

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taatcacacg cttactttag gatttttta cctgaattcg aatatatact tttgattttc 120

atcttccgta gtccgtaccg tagaattgag gagcttcatg gagaacgagc tgtttatgaa 180

tgcaggagtt tcgcatccgc cggtgatgac gtcaccgtct tcttcgtcgg cgatgcttaa 240

gtgggtttca atggagactc agccagtgga tccaagtctc agtcgcaatc tgttttggga 300

aaagtcaacg gaacagagca tttttgattc ggctctgagc tcactcgtct cttctcctac 360

gccgtcaaat tcaaactttt cggttggcgg agtangtgga gaaaatgtca ttaagaaaaa 420

nc 422

<210> 15435
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-061-Q1-E1-C2

<400> 15435

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gtcttctctc atgtttcttc tcttgatcgg ttcatcatac gcaatcacaa gttcagaaat 120

gagcacaatc tgtgacaaaa ccttaaatcc atctttctgt cttaagttcc tcaatacgaa 180

attcgcatcg cctaatcttc aagccttggc aaaaaccaca cttgattcta cacaagcgag 240

agctacacaa acgttaaaga aactccaatc tattatcgat ggaggagtcg accctcgatc 300

taagttagct tacaggtcat gcgtagatga atacgagagc gcgattggaa acctcgagga 360

agcttttgag catttagctt caggagatgg tatggggatg aacatgaaag tttctgctgc 420

attgga 426

<210> 15436
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-061-Q1-E1-C6

<400> 15436

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tatcctcttc cgcttccgcc gccgcaccct ccgcttctct cgccggaaaa ttcctgtcgt 180

ttccttctag ggttagagtg agaagaaacc gagagaattt gttagctaaa cagaagaagt 240

ttttagtttc tgcttcgaaa agagaagagc ctaagctcaa cgaatgggat caaatggagc 300

tcaactttgg ccgtttactc ggcgaagacc cgaaattgac tttggctaag atagtagcta 360

gaaaagtgga tccagaagct tcttttattg acattgagaa atctttctac aagaacaa 418

<210> 15437
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-061-Q1-E1-C7

<400> 15437

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attttggagt atccttagtg ttgttctctt cccatattgt aaaaacgact tcgtttaatt 120

gaaggaaaaa gcttcttttt ggtttaaagt ctctctgctc aacctaagag atgaaaatgt 180

ataatccatc tttcattatg tttttgttcg atttccttct ctgtttttgt agtcaaaatt 240

tggtgtggtt atttgcagaa tgaaggcaaa tgcaggagca cttaccaatt tcgagttgct 300

tgacttctta aactcaagag gtgcttcaaa agatactaca agagttattg ctccaattgc 360

taagatcaag aatacaaggt ctatgattat ttggtgggag actgctgctt ccactcaaac 420

aa 422

<210> 15438
<211> 231
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-C8

<400> 15438

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gantaggtca gcttcttcan ccactagaag ttcaatgatg aaaccagcat taccgtcatc 120

ttcatctgtt caacgttcga ctctgaagtc ancgttgcga gatgatngat ctgttgttgc 180

taaggagagg aacggttttg ggaaagctcc ttcngtgtct aaaagtgatn a 231

<210> 15439
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-C9

<400> 15439

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tcggtaacta ctacagctta cctgctttga acgatcccag gatcgataaa ctaccttatt 180

ccattaggat acttcttgaa tcggccatac gtaactgtga tgagttccaa gttaagagca 240

aagatgttga gaagattctt gattgggaga atacttctcc caagcaggtt gagattccgt 300

tcaagcctgc tcgggttctt cttcaggact ttactgggtg ttcctgctgt tgttgatctt 360

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<210> 15440
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-D11

<400> 15440

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ccatcttctc tccacgcgcc actctcttcc cctgtaaacc tctcctccct tcccacaatg 120

tcaactctcg ccgtccctca atcatctcct gctccgccca atccgtaacc gctgatcctt 180

caccacctat cactgacacc aataagctca acaaatacag ctcaagaatc actgaaccca 240

aatcccaagg tgggtctcaa gcaattcttc acggtgttgg tttatcagac gacgatttgc 300

taaaacccca gattggtatc tcgtcggttt ggtatgaagg gaacacttgt nacatgcatt 360

tgctgaaatt gtctgaggct gtgaaaagaa ggagttgaaa atgcaggaaa tgggttgggt 420

ttaagtttaa tactaat 437

<210> 15441
<211> 170
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-061-Q1-E1-D12

<400> 15441

agaccaaagt tttcaagtct ctttattgtt ttatcgtttt cttttgaagt attttagcat 60

ctagtttgtc ggagatagaa acaagtttta gcaaaactaa aaggggata caatgtctgt 120

cagatgctca ttttagactt taaaaaacca aaaaaaaaaa aaaagggcgg 170

<210> 15442
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-061-Q1-E1-D2

<400> 15442

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cggacaactg accatagcca agtcctacag catggttcct catttcattt gtcttcaaat 120

caagctccac ttcatccacc tcttgaacac tttgtttcag gtcttggtta taatatccag 180

gagcaagaac tgcctaaaaa ttctatgaat ctcaatcctc tttttgctca gcaactactt 240

ccagttcctc atgacacatc attacctcct ggttctcacg tccctcgacc accggattcg 300

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ggcaagtcag atacaaccaa taggaccacg ttctactg 398

<210> 15443
<211> 68
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-D3

<400> 15443

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ttcgcatc 68

<210> 15444
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-D4

<400> 15444

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ggtggtagca gtagaggcat cagagccttt atggaatcag aattgcctgc tctaaaggag 120

aaaaacccgc agctcgaagt aattaccgag ctttcacggg gacaacatcc ttatttgaag 180

ggcatttaca ggaatagaaa tgaaagggta gtgtgtgtga agaacatgga tcctgaagaa 240

gtgcttttga atgcaacgag gctgaggaac tcgcttggac ggaaagtggt taaactgagg 300

accagacatg tcaccaaaca ccccagtgtt caaggcacct ggacaactgc tgtcaaattc 360

tgagactttc ctgctaaatt gtttgcaggt tttcatcctc caagctgtta aatcnaaatg 420

ttgccaagnt at 432

<210> 15445
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-D6

<400> 15445

taccatgaag aagctccggg gaggatgagt gctatttaca cggcggggct tttggctcgt 60

aaccgtgaag atggtgaaac tgacgttttt gttcacgacg ttaaccgtcc ggtggaagat 120

gagttctcgg cgactttctt gtgtaaaggt tatatgaggg agcaaaatgg gagacttaga 180

cattttacta ttcctagtca tcgggctcgt gctggacgac ctttttgtcc ggtggaagtt 240

gatcgccgcc gttaattttg tggtgggaga tttatttagt tcaccgtcgt tggtcggtca 300

acggactcag ggctggtaaa ttgttttacc taagtggaca ttgaangact tgcttagctg 360

gcatttttgta tttgttttgt tttgtttttg cttgatttaa atacgttttt caagat 416

<210> 15446
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-D9

<400> 15446

catgacaggc ggaatcttcg ctccttcaga caaaggagca gctcccgtca acaaaggaac 60

ccctcctgtt gctgatgatt ctcccgtggc cgatccagat ggtcctgctc gccgtcttct 120

tgaagacatt gacgagaccg gaatcccaac atgggtttca ggtgctgaca ggaagctcat 180

gactaaggct ggacgtggca gtaatgacgg tggtgctagg atcagagcaa cctttgtggt 240

ggctaaggac ggaagtggac agtttaagac tgttcaacaa gccgttaatg cttgtcctga 300

gaaaaaccca ggccgttgca tcatccacat caaggctggt atctacagag aagcaagtga 360

tcatccctaa gangaangaa caacatcttc atgttcggan atgggtgcaa gaaagacggt 420

catttcctta caacannag 439

<210> 15447
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-061-Q1-E1-E1

<400> 15447

aaattagggc aaaattagcg tattgatgtg tttcactttt cttcttcttc ttcttcatcg 60

tgttcgtgtt tgatttgcga ctttctccaa ggaaaattta gggttttcga tgaaggaacc 120

tttgcagaag aagaaggtgg ttgttcgtca cttgccgcct tctctttcac agtccgatct 180

cttatctcaa attgatcctc gtttcgctga tcgttacaat tgggtttcgt ttcgtcctgg 240

gaagtccagc tataaaaatc agaagtattc acgggcctat gtaagtttca aggcaccaga 300

agatgtttat gagttcgctg catttttcaa cgggcatgtg tttgttaatg aaaagggtgc 360

tcagtttaag gctatagttg aatatgcacc cttctcaacc gtgttccgaa accgaatgat 420

aaaaaaaa 428

<210> 15448
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-E11

<400> 15448

tgttatagag agggaaacca aaaaagggaa tctcaaaagc tcgagttcac agatttgacc 60

cgagtcttta atccaatctg ctggttcgtt ttccacattc aaactcgact cttgaatatc 120

aaatcagaag tctttgctat ggctgctacc gctgctgctt ctgttgtccg ttacgcacct 180

gaggatcata ctcttcccaa gccctggaaa ggccttatcg atgatagaac tggttacttg 240

tacttttgga atcctgagac caatgttact cagtacgaga aaccaacccc ctctctacct 300

cctaagtttt ctcccgccgt ttctgttagc tcttccgttc aggttcaaca aactgatgcc 360

tatgctcctc ccaanggatg acgataagta ctccagaggc tccgaacgtg tgtccanggt 420

tttccgaagg gggggga 437

<210> 15449
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-061-Q1-E1-E12

<400> 15449

aacgtgacga tgaagaaaga gaagaagccg acccgtcgtt caaatcatcc ttcgttcctc 60

aacaacatta accccaaacc taaggttagg gttttacctt tatctcttca atttcttcat 120

tcctctcatc gattcgcgac aacatgtctc taccggattc tctcccatct tcttcttctt 180

ctccgcctgt gacccgtgaa gaaaccggct ttcatcgctt tgaacatcac ggcaacgatt 240

ccggttttga tcatcgtgat cgtccaccgt ggaatcgttc tgagtacgat tatcgccatg 300

gaagcgttgt tgcatctgag aacgtcagga acaattccac ttctgaagac ccttggtctt 360

gcgttgtcgt cgttgctacc ttctgtatct ttgtgtcgat gactttgatt ccggggctta 420

aggaacaacg aatg 434

<210> 15450
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-C11

<400> 15450

attttcccga gcgatcgtcc atggcggaca tcgacatcgg aaccgcagca acaacaggag 60

gaaacgaagg aagaggaggc acacgagaac gtctaataaa ccgagaaaac aagttcacac 120

gtagcgtatc tcacgcacaa gacgagctcc acagtttccg gaaatatctc cgatggatgt 180

gcgtagatca gtcgagtcct tggacggcgg ttctatcatg gtctatgttc gttgttttca 240

cgctcgttgt tcctgccacg tctcacttca tgctcgcttg ctctgactgc gatagccatc 300

actctaggcc gtacgattcc gttgttcagc tttctcttag caagtttcgc tgctctttcg 360

tttctttgtc tctccagatt cgttagcaag tatggtctcc gacggntcct aatccttgat 420

aagccttggg gaang 435

<210> 15451
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-E2

<400> 15451

tctcttcatg gctccaatta ctgtcggcga tgttgtacca gacggaacta tctctttctt 60

cgatgaaaat gatcagcttc agaccgtctc tgttcactct atcgccgccg gtaaaaaagt 120

cattctcttt ggtgttcctg gtgctttcac tcccacatgc agcatgagcc atgtgcctgg 180

attcattggg aaagcagagg agctgaagtc aaagggtatc gatgagatca tttgctttag 240

tgtgaatgat ccatttgtga tgaaggcatg gggaaagaca taccaagaga acaagcatgt 300

gaagtttgta gcagatgggt ctggagaata cacacatctt cttggacttg agcttgatct 360

caangacaan gggtcttggt attaagtcaa ggagattgct cctgttgcct gana 414

<210> 15452
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-H4

<400> 15452

acgctgntcg tatgcctgta acggtccaan ntncacgggt cnatccacnc gtnacagagc 60

ccnnataatt aaaaagtcnc ttcctntgac tacaattatt actaacaata attcacttat 120

ctaaagacat catctgactn gactctacgc tgaatcatca cgaggaagac ttgaatcgac 180

cggagaagag atacgtgtag agatctgatt ggctcaccgg agagaacaaa acaagaaatg 240

ggggaggacg acgtggttcg acgttgacgg gttgaggaaa ngagagtgga cggcggagga 300

agaccggaag ctcgtggttt acatcaacga acacggtcta agcgagtggg gttcactgcc 360

taagagancc ggtctacaaa gatgtggaaa gagttgtaga ttaagatggc tgaattattt 420

gaggcctggg attaaaagan gcaagttcac tcctccagga aagaagaaga atcatcanat 480

<210> 15453
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-H5

<400> 15453

tagaagaatt tgagaaggat aagcaagaag ttctaaatca ggaagttcct gaaccggaaa 60

agccggttct agttcctggt tggggacaat ggaccaatgt ccaaaagaag agaggtttac 120

cttcatggat ggttagagaa catgaagatg caaataaaaa gagaaagcta gatctcaaaa 180

caaggaaaga ctatcgtctc agaaatgtta tcatatcaga gaaagtcgat aaaaaggctg 240

acaaacttca tacaacgact ctacctttcc catatacatc taaggaagtt ttcgaacaca 300

gcatgcgcat gcctatagga ccccgagttt aatcctgcga ctattgttgg agctctcaaa 360

ccgacccgag ggttgtgaan aaaagctggg ngtgataaat taacccggtc aaanttnggg 420

ggaanttg 428

<210> 15454
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-H7

<400> 15454

aatcagacct caatttcgtt gttaaagaac aaagctttaa gcagccatgg atccaaacca 60

acgtatcgcg agaatctctg ctcatctcaa tcctcctaat cttcataatc agattgctga 120

cgggtcaggt ttgaatcggg tggcttgtcg ggcaaaaggt ggatcacccg gattcaaagt 180

ggcgatactt ggagcagctg gtggaattgg acaacctctt gcgatgttga tgaagatgaa 240

tcctttggtt tcggttcttc atctctatga tgttgctaat gctcctggtg ttactgctga 300

tattagtcat atggatacta atgcccgttg ttcgtggatt tctcgggcag ccgcagttag 360

aggaagcact tacnggtatg gatttagtga tcatacctgc tggtgttccg aaggaaaaca 420

agg 423

<210> 15455
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-H8

<400> 15455

gctttcgcca ttaaaacnct gtttccnttt tcanagattc ncagagaaga ttcattttac 60

ccnaagannn aaaatgtcga acattcttca gaatcggcga tcttcgtttt cctcttcgac 120

gaaatcttca ttagcgaanc gtcaagcacc atcttcatcg gagaattctg ttnaacttat 180

gccggcgatg acgaagaaac gagcaccgtt aagtaacatt accaatcaaa agatcgcctc 240

acgattacaa aattctgatt cggtacattg ttcaagacaa gtcatgcgaa nnttgaanga 300

tagcaccang tgtttgcgtt aatgncagtt tctctangca atcttgcaac aaagcatact 360

tcctcanagg anttgcttct tcanct 386

<210> 15456
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-H9

<400> 15456

gcccacgcgt ccgctctttc tctctgcttt cttggtatgg ctgctgacgt cagctctctc 60

gtacggatac tgagtaggtt caaggatgat cggacggttg taaaagattc caccggacca 120

agatccacgg tggcgctcat gacacgcgat ctcctcggaa tcggcggttg tgtgggtgga 180

ggaggaggag gagacgaaca gtcgctggag cttgaccttg acgtccaagt ccctaacgga 240

tgggaaaaac gtctcgactt aaagtcaggg aaagtgtatc tgcaacaaca atgcaattca 300

acgaagctcg tcatcatcgt ctcatcatca tcatcatcat cacgaagacc aaaccaacca 360

aacagttcca agatttcaaa gatttgaatg gtgccaccga ttttcngana antttccggg 420

<210> 15457
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-A2

<400> 15457

ttaagctatg gtggatgact cagagaatgg gaagctgtgg aaaagacatt cctttggaga 60

cacagttcat gctactggaa agcaaggatg aggttgaagg gaatggggat gatgctccta 120

ctgtttatac cgtctttctc cctctccttg aaggccagtt cagagctgtt ctgcaaggaa 180

atgagaagaa tgagattgag atttgttttg agagtggaga taaggcggtg gaaactagcc 240

agggaactca ccttgtttat gttcatgctg gaaccaatcc ctttgaagtt atcagacaat 300

ccgtaaaggc tgtggagaga cacatgcaga catttcatca tcgtgagaag aagaagcttc 360

cttccttccc aagactggtt tggctggtgc acaatgggna cnc 403

<210> 15458
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-A4

<400> 15458

gaatttacag tatttgaaaa aatacaaaat ggcgaaaatc taccggaagt tgacaggcta 60

cggtggtgaa ggagggcgtg aatgggacga tgatgtatat gagggtgtaa gaaaagtgta 120

tgtaggacaa gatatcaatc gtatcactta cgtcaaattc gagtatgtga aggaagacgg 180

ccaagtcgta acaactgaat atgggaaaat cattcaacaa cccaaagagt ttgtacttca 240

atatccggac gaacatatca tagcggtgga aggaaactat cgcggagtgg ctctatgtgc 300

cacagaggtg atcacaaacc tcgtcttcaa gacctcaaag ggtagaaagt caccactgtt 360

tggtccaaac ttgcttggaa ttacgaccgg tacaaagttc gttaattgag gatggaggaa 420

agaaaantcn t 431

<210> 15459
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-A5

<400> 15459

cattgttcca gtacttcatc gtagcgccgc tcctctcttg tccagactcc agaagattca 60

atggcaccca agaaagacaa agttcctcct ccgtcctcta aacccgccaa atccggtggc 120

ggcaagcaaa agaaaaagaa gtggagcaaa ggaaagcaaa aggagaaagt gaacaacatg 180

gttttgtttg accaagcaac ttacgacaag cttctctctg aggctcccaa gttcaaactt 240

atcactcctt ctatcctctc tgaccgtttg aggatcaatg gatcgcttgc tagaagggcg 300

atcagagaat tgatggctaa gggaacaatc aggatggtct ctgctcactc aagccagcag 360

atctacacta gggcaaccca cggctaactt ccttcgaatg ttttaantgg ttcccntggt 420

attta 425

<210> 15460
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-A6

<400> 15460

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ttcagagaga ggaacacgat ctttgtttct ccatccggtt tgtttactag ttttgtctct 120

ggtatggttc agctttgtct ccggcgaggt ccggctttgt ttcggctatc tgttgccgct 180

ttttgttttt tctgttgaat aaattatgcg atctatgtta gtgttgtggt tttaggtgat 240

tcgtctttgc ctaaacacaa ttctctccaa cataagattg atgaatatga tgcttgagtt 300

cgtgaaccgt tgacgtttaa ttgggaagat tttgaagttg aatttccatg aagttgaaga 360

tttgttttta gagctttgga attgaccaag tgctancanc ggggattcaa cnatgccat 419

<210> 15461
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-A9

<400> 15461

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tttcaattcc gatggctggg gacctccaga cgcttccgac gtttcctcct ccgcctctcc 120

caccagcgtc gccgccgcta atcttctccc gaacgttcct ttcgcttcct tctcccgttc 180

cgataagctc ggccgtgtag ctgattggac tcgcaatctc tctaatccat ccgctcgtcc 240

taacaccgga tccaaatcag atccgtctgc agttttcgat ttctccgctt tcgcaatcga 300

cgaaggtttc ggtctcgctt cctccggtgg taatcccgac gaagacgcag ctttccgtct 360

cgtcgacggt aaacctccgc cggcgtccta aaattcggnc ctaaatggcg tttcaatcct 420

caacaaaa 428

<210> 15462
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-B11

<400> 15462

tctcaaaaac actcggcata aaattcagct ctttaagaaa aaaattcaga ggaaaattaa 60

aaaaagtgga tataatagan aaaaaggtaa aggaaaggaa tagtgagaga gagagaggga 120

gagatggtct tcttgtttag aacatgttgt ttccaattat tctaagaatg gcgttttagg 180

taaatgatca cagcttatta cagatggaag agaagctgac tcaatttgtg gtttagattt 240

gtcaaagagg atcgtgtgga atctgaaagt tttcaatttt cactaaaaat angattagag 300

ttaaaaagga ggaagaagaa atggggaaac acaaatcttt cagaagcaaa gcagtgcact 360

ttgtcancga tntcaccgct ggtcttctta ntcccatctc tgataaaccc tcctccgctc 420

aatc 424

<210> 15463
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-B12

<400> 15463

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tttgactgac aactctattg tagagcaggc tcttggaaag catggtatca tttgcactga 120

ggatttgatc cacgagattc taacagtagg acctcatttc aaggaagcca acaacttcct 180

ttggccattc cagcttaagg caccactagg tggcctcaag aagaagagaa atcactacgt 240

ggaaggtggt gatgccggaa accgtgagaa cttcatcaat gagcttatca ngaggatgaa 300

ttanaatgtt atcgttttca atgtcaaact tctctgcgtt ttcattatgt gcctcccccc 360

ggaatttgga tctccttcct caagttaaaa agacanttt gaatccaaaa aaaaaaaaaa 420

aggggcggcc cnc 433

<210> 15464
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-B3

<400> 15464

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aaattcgttt tcttgttatc cactagagct ggaggacttg gtatcaatct tgctactgca 120

gatgttgtga tcctctatga tagtgactgg aaccctcaag ttgacttgca agctcaggat 180

cgtgcacata ggattggtca aaaaaaagaa gttcaagtgt tccggttctg caccgagaat 240

gctattgagg ctaaagtcat tgagagagct tacaagaagt tggcacttga tgctctggtt 300

attcagcaag ggagattggc aagaacagaa aactgttaat aaggatgagt tgcttcaaat 360

ggtgagatat ggtgctgaaa tggtgtttaa gttctaaaga tancacaatt tacggntgaa 420

ggatattgac a 431

<210> 15465
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-B5

<400> 15465

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cattggaaat ctatttttaaa aatccgttga gatatagtta tataagtagt ttggtgactc 120

aattaggttt acacacaaag acatgggatc ggctggtgta gcgagttctt cttctgatgt 180

tgcgatctca gctttgcgtg agaagcatga gaaggaagta gagaatctaa cattaacgac 240

acaacctttg aatacattga agttgtttgt tgaggctact attcagtaca tcaagcgatc 300

catatcgtat ctattggctc atggaggttg gtttatactg ataaccactt tgttagtggt 360

atctggtggt ttgcttgtta ctgttgatgg acctcatggc aagcatgttg aagaagtnat 420

t 421

<210> 15466
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-C1

<400> 15466

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atcgattgcg atcgctcttt caattttctt catcaccggt gaaaataatc gaaacccagc 120

acgagaaaaa tgcatgattt ttgcttcact atcccgtacg ggatgcttct catcggcgga 180

ggatttatcg ggtacatgaa gaaaggaagt ataacatctt tcgccggagg tgcaggcact 240

ggattattac tcattctcgc tggttatatc agtctcaaag cttttgagaa gaagaagaat 300

tccactattg ctatggttct tcagacagtc atcgcagctg ctctcacact aagtcatggg 360

acagcgttac ttgctgactg ggaaagatta tgccggctgg tttggttgct gggattaagt 420

gctccnca 428

<210> 15467
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-H10

<400> 15467

ggagctccaa nggagaaaga ngagaaacaa gagctccgga gccgaagatt ccttccatcc 60

tcccgattta cgaaagaaga aaagttaaag aaggcatccg agggaacaga gaaagatgat 120

gaaaggagaa gtaggagaag tgataagaag gataagaaat ctcacaagca ccacaaatcc 180

agtacatcaa agaagtccaa ggatgataag ccgaaaaaga aacatacgga aagcgaccac 240

aagctaaaag agggaattcc agagctatca atggaagact acttctcgaa aaacaacgag 300

tttgctacat ggctgaaaga agaaaaacgt acttacttta atgatctcac gaccgaagct 360

gcacgaagga ctgttctcac gattttgtca agagatggaa caagaggaaa actccgagtc 420

tcga 424

<210> 15468
<211> 315
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-E3

<400> 15468

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ccacactctc accgcaatgg ccgcctcgac aatggctctc tcctctcctg ctttgaccgg 120

aaaggccgtt aagcnatccc cggnggcctc cgaantantt ggaaccggcc gaatcaccat 180

gcgcaaagcc tccaaggccc accgcgtcca tccggcagcc catggtacgg atccgaccga 240

gtcaagtact tgggtccant ctccggtgag nctccgngct acctcactgg ttgagttccc 300

cnggtgnnta cnggt 315

<210> 15469
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-E4

<400> 15469

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caaaatggct tcaagtgctt caaagttcat caagtgtgtg actgttggtg atggtgctgt 180

tggtaaaacc tgtatgctca tctgctacac cagcaataaa ttccccactg actacatacc 240

aacagttttt gacaacttta gtgcaaatgt tgttgttnaa ggcaccactg tcaatttggg 300

gctttgggac actgctgggc aagaagacta taacagatta aggcctttaa gttacagggg 360

ancaagatgt tttcgtcttg tctttctcat tantcagccg agctaagcta cganaatgtt 420

tttaaaaaaa gtgggntccc tgaactccaa caactttgct ccanggagtt ccccttngtc 480

cctttgg 487

<210> 15470
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-060-Q1-E1-E7

<400> 15470

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agttaatatc acacgcggaa tatcaaagat ctgatttttt gtaaacattg taccaaaatc 120

atcagaagat tataagtgga gtctttcgaa gaagaacaaa tttgtaacac gcgtctccat 180

caatcttcta gctggcaatg agatccattc tttagcttct ttcttctctg ttttttcttt 240

tttgaagaaa aaaaaaatgg caccaaagtt tgaatggtgg gctaaaggaa acaacaacaa 300

cactcgtaaa ggaacaccag tcgttgtcaa aatggaaaac cctaataact ggtcaatggt 360

ggaacttgaa tcaccttctc atggacgatt tcctcgtaag aactcatgag aaatctcgta 420

a 421

<210> 15471
<211> 69
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-F11

<400> 15471

ttacggtacc tctgactata ctnccaaaat tttgattcga tctctntgtt ccacgttctg 60

agaaanccg 69

<210> 15472
<211> 99
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-F12

<400> 15472

agaggangat tgtctctcag cnccttacgc taanggatgg actgaaatct cgtgctcatg 60

ttatcatcat gggagcaacc aatcgcccca acagtatcg 99

<210> 15473
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-F2

<400> 15473

ggaggctaaa aatatctttt gtataaacaa ggttttgatt catcctgtgt tttgganaag 60

taatattaca gtatgcanga cccaaaaggc aagaaatgga tctccggatg ttcctaagaa 120

ggtgtctcct cgagctgctc ggccactgaa gatcgcagcg ctagagcctg aatcttcttc 180

atctcctatc tcagctacta acagaacacc aaaggataag agtccaaacg ttctaaatcg 240

taggtctcct cgaagccctg tctctgagaa gaagaggccg agtagaataa cggagctaga 300

gttgctagtc tcgcagcttc aggangagct aaaaaaggcg aaagatcana tctcagtgtc 360

tgaaacatca aagaagcaag cagaacaang aagcagaggg agtccaagga aacagctcca 420

agaantttct t 431

<210> 15474
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-F3

<400> 15474

gaatcnttac ttgtcttgtg acccttacat ggggattctc atgagagaac caactccttc 60

cactctagca cttttggatg ccttcatccc cggaaagcct atagctggaa ttggagtgtc 120

tcaagtaata gattctgatg atccatcttt tacgaaaggc antatgattt ggggaattgt 180

gaactgggag gagtttagta ctatcaaccc ggctgctata ttcaaaatcg acgtcaatat 240

caatgttcct ctcagctact atactggaat cctcggtatg atangtttaa ctgcttacgc 300

cgggtttttt cgagatatgt tcacctaaag aaaggagaca cagtgttcng tgtctgctgc 360

ttctggcgcg gttggacanc tcgtgggtca gtttgcaaaa gttgatgggc tgctaggttn 420

gtttggaaag t 431

<210> 15475
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-F6

<400> 15475

gttttatatt tcaagttctt ttttttttaa ccttgccatc aatacaacca tggcaaggat 60

ttctctgttg ttctctttag ccttagttct aagccatcgg gtccgtcttg gctcacccac 120

ctacccacaa gaaattacaa aagaccttgt gtccatctac tttgtccaaa gttcaagctt 180

tcccttacct tgaagtctct aagcttcgtc ganaagaagg ttcagttcgc accaaaaacc 240

attgcgttca agtctttgtt ctccatctgc aagagctaca tcgactttct tgggggcgtt 300

angttttctg cctccangag atgtgtttca cgtccgttca tgtcaaattc acnttgatga 360

caaggcnatg ggttaantgc acangcaccc attggnntng aangagactc nccggtnant 420

tggg 424

<210> 15476
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-G1

<400> 15476

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ctccaaaaga atctacaact atcaggagaa cacgttgagg cctcaagaat gacactacat 120

cgttttggta acacgtcatc ttcatcgtta tggtacnagc ttagctacat cnagtctaaa 180

ggganaatga ctgagaggcg atcgcgtttg gcaaatcncg tttgggagtg gtttcaagtg 240

taactctgcc gtgtggaaat gtaaccgtac gattaanaca cctaaggacg gaccatggtc 300

cgattgtatc naccgttacc ctgtctttat tcccganagt tgtcaaactc taaactgaaa 360

acntcnttga acggtttagt aacgggtttg actttgtgnt tacngnttac gtttaattgg 420

tctccggaat tttgggtttt aanggggat tgacaanatg gggaaagttn gnngaggaag 480

aancaancca 490

<210> 15477
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-G2

<400> 15477

gataaaaagc ctcaagatcc aaatcccaga tttgcttgcg aaggttgcag cgttctgctc 60

gacatcaacg atggtgaccg tctcgtcttc gctcgtttat ctagtggcgc tatattaaaa 120

attgggaata agaattattc tttaaagcca ttgatcggag ctccgtttgg atctctgttc 180

caagtcgaaa ccggagaaga tggttctttc ctctctcgca ttcttcccat taaacaagaa 240

agtaacagta ataatgttat ggacgattcg agagataatc gagaaatcgt cgacaataat 300

gaagctcaga atcttactgg tgaagaaatt gaagctatgc ggagagaggg tgcaaaaggg 360

gatgaaatta ttgaagctct aatttgcaaa cagcaaaaac ttttgataag naagtttcaa 420

tttg 424

<210> 15478
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-G3

<400> 15478

nnnnnngaan tgttagcctg tcgtaggctc caaaattcca aggtcnaccc acgcgtccgc 60

acacgcgtcc gcccacgcgt ccgcccacgc gtccgaacca aaatccgatt tccccatact 120

tagaggtcaa gagaaataaa atatttttcc ggcgacgcaa tggcttctta ctccggttgt 180

ttcttcgtcg ttactttggc agttctgtca caatttctct tagccccagc ttcagccttg 240

gtcaacaggg aatacatcga ttccaattgc caaagagtca aaaacaaagc cttctgcatc 300

caaactttga ccacctatcc tcctgccgct gctgccaccg gcctgttacc attggctgan 360

gccgtggttg gccttgcaat atcccactgc gagaagacag ctgggtttcg cagcagagac 420

agccaaaaag ggacgcaaca ttgaagactc agttcaacga ngtgccacga ngcctangtt 480

ggtatttttg gcg 493

<210> 15479
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-G4

<400> 15479

aaactnctcg tagncctcca aaattccana ggtccacncn ccccgtccgc aaacgctanc 60

attacncact ataaccaagt tgaanggncn tcancgctta ntttatgaca tttgcnacac 120

cttctngaga catgggaaat gggttnngac tctcacnnga tatctcctgc ggatatagag 180

tggataggan aggatcctgg gcttgggtaa tcgatataat gggcaaggtc atggactgaa 240

tanaactacc ggacccaact gtgttccaca acgangaaac ggtttggaga agaacactat 300

cagaaagggt ttcagaacat cacagaatgg aactggaaaa aagaaacatc tccatatacg 360

aatccgccaa acaagatgtc ctaatcagag aggtggacga gagttcttcg ttcacacaat 420

cccagatcct tacgaagttt gaaaagggct aangagagtt tgggnggacc acgagcatgc 480

acttgtgggg cgc 493

<210> 15480
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-G5

<400> 15480

taaaaaggct taagcgggca aggagaattt caacacatat cagtcagaac gatcagaggc 60

agagcaaatt caatttcgaa acagtgacta ttacgagaag cgaaatggat acgtcgcttc 120

ttcttccgat catcgatctt tcttcgccgg aaaaaatctc cactactcaa ttgattcgtc 180

aggcatgtct tgaacatgga ttcttctatg tcaagaatca tggaatctcg gaagaattaa 240

tggaaggggt ttttaaggag agcaaaggct tctttaatct cccattagag gaaaagatgg 300

ctttactccg ccgtgatttg ctcggttata ctccgttgta tgctgagaaa cttgaccccg 360

tccttgagct ccataggtga ttccaaagga aagcttcnat tttggctcct tggaanggtg 420

g 421

<210> 15481
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-G6

<400> 15481

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acaatcttgt cgggagtcga gcaggccttt gcttccgaca aggcactcct cgtgaccggc 120

cgcaacatca cggctgacgg nggtaggtcg tcactgagag ggaanaagca gaggagagca 180

tcaggatgta acttgttcca angccgatgg gtgttcgatg cttcttaccc tttctatgac 240

tcgtccannt gtcctttcat cgacggngag tttgantgtc tcaagttcgg ccgaccagac 300

aaanagttcc tcaaagtact cttggcaagc tgagtcnttg caccatccca aggttcgacg 360

gtgggggcat ttctnaanga aatacacagg aaaacgangt catgttngtn gganacgcac 420

tgnagtttan ag 432

<210> 15482
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-060-Q1-E1-G8

<400> 15482

gatgatccct acttattcac tactaacaac ttcgccggac gacaaacatg ggagtttgat 60

cctgacggag gctcgccgga ggaaagacac tccgtcgttg aggctcgccg gattttctac 120

gacaatcgtt ttcatgttaa agcaagcagc gatctcttgt ggcgcatgca gtttctgaag 180

gagaaaaagt ttgagcaacg gatagctccg gtgaaagttg aagactccga gaaggtaacc 240

tttgaaacgg cgacgagtgc attacggaga ggtattcatt tcttctcggc gttgcaggcc 300

agcgacggtc actggccggc ggaaaatgcc ggccctttgt ttttccttcc gccactgggt 360

gttttgtctt tacataacgg gacatcttga tgaagtgttc acttcagaa 409

<210> 15483
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-G9

<400> 15483

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cgtccggaaa caaaaggcag aagaggaagc tgctggctct gcagatggtc tcaagagcta 120

ccagaaggtt gtattcgacc tcttgaacaa ggttgcanat ttatctttcc taagtgccta 180

caagtctaag atcacggaac tgattgagaa agccgancaa caaccaaact taaccattgg 240

tgtcctcgtc nccattgtgg ttgtattctt ctcgctcttc ctcaagctta tctttggtgg 300

caaaaangcg gcggcacctg tgngaaaaga agaaaccaga antagcggag agttcanttg 360

agtngggatg aggncngnga agaa 384

<210> 15484
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-E11

<400> 15484

tgaagcttta acattgttgc gaagaccaga ctctcagact cagactcggg agtgatttca 60

cttcaacttt ctgctcagat ggcagtccac tactggacag ccctgtttcn attgttgcca 120

tgccttttct gtatttcaan tgctagtgct ggcgatgctg atccagatta caggacatgt 180

gtttcagaat gtgagataga gcggttgtgt tggacaactt tgctttcctc agtgcaattc 240

ntcatccgat ggtggtccan ggnacatcca aggaaccttt gtattnacan tgganaanat 300

ggggttgtca aggtgattgc cgttatcaan gtanggntaa nanagagact gaacgggaaa 360

ntctcggtca ngccccantc aagtaccatg gtaaatgggc cttcaancgt gtacttgggg 420

aatcaagg 428

<210> 15485
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-H4

<400> 15485

agctagttga ttggttcaag tttgcagctt tagatgatcc tttaactgag ctatcttcat 60

tctttaatta ccaatgggag agtgggtcat cggagctttc atcaacattt ttggaagtgt 120

tgctattaat tttggcacaa accttctcaa attgggacat aatgagagag aaaggttagc 180

cctacaagat ggcggaggaa agatgccatt gaagccaatt atacataatc agacttggag 240

agttgggatc cttgtctttc ttcttgggaa ttgcctcaat ttcatttcgt ttggttatgc 300

tgctcagtcc cttctagcaa ctcttggatc cattcaattt gtatccaaca tagcatttgc 360

ttatgttgta ntgancaaaa tgggtactgt ccaaagtacc cgttggcnac aagcccttta 420

gagttccctg gggaaacngn tt 442

<210> 15486
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-H6

<400> 15486

ttgaagcatg atgacgacag tcgccgccga tctccaccgt tatcttttcc tgattaccgt 60

ttttcttttc ttcctctgcg acaaaacctc tcttgctctg accacagacg gtgttcttct 120

tctctctttc cgttactcaa tcgttgacga tcctctttac gtttttcgga gctggagatt 180

cgacgacgag actccttgct cttggcgtgg tgtcacgtgc gatgcatctt cccggcacgt 240

gactgttctg tcacttccaa gctcgaacct taccggcaca ctaccttcaa atttggggtt 300

cactcaattc acttcaaaga cttgatcttt ccaacaattc catcaatggg tctttcccgg 360

tttcgnttct caacgcgacg gaggcttcga tttcttgatc tgtcccgnta antcaaatct 420

ccgggggga cg 432

<210> 15487
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-H8

<400> 15487

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tccccacttt cttccccaag aattatctca tttgctctca ttccacttct tctcgcttcg 120

aatcgctctc ggtttcatcg atcggaactg gatctaccaa gaaatcatcc gatactcgga 180

gaaaggtaaa gagcatggct acgacaaata taggaaagga ggagaagaaa agagtcgaga 240

tttatgatct cgaagagaat ttagtgattg atttggctaa attcacaagc agatctctcc 300

gataagtttt gtaaagagag aggcgctttc accgtcgttg tctccggtgg ctctctcatc 360

aaatcactcc ggaaattagt angaatctcc ttacgttgan tcnatagatt ggggnnaggg 420

ggcaattttt tcgg 434

<210> 15488
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-H9

<400> 15488

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tcctaccatt agcacttggg ttgaaccacc caaattgtga cctgaccaag actcaagacc 120

aaggctctac cctaagaatc ttccacatag acagnccttg ctccccccttc aaatcatcat 180

ccccactctc atgggaagcg cgtgtgctcc aagacgctgg ctcaagacca aggcccgtct 240

ccagtacctg agcagcctcg tcgccgggag atctgtagtc cccattgcct cagggcgtca 300

aatgttgcaa aggcactaca nacattgnca aggcntttgn tnggttancc cggntcagcc 360

ngntgctcct agccaatggg caagcgagca agtngacttg gcttgggntt ccntggcccc 420

gggng 425

<210> 15489
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-A1

<400> 15489

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aatcaacaaa agcaggaatt tctagctgag acctcagaga tgaagaacac caaaaacaac 120

gacgactgtt ctgtacaaca acaacaacga tttgtgtggc catgggttgg tctagtagcc 180

aacataccaa cggaggtgga accatcgggt cggagagtag gcaaaagcgg ttcaacgtta 240

cgtgatgagt tcactatgaa agggtttaat ccaacaagag tccaacccat ttgggatttc 300

aagggtcatt ctgggttttg ctttggttga attcgctaaa agactttgaa gggattccga 360

aagccncatg aatttcgaaa ggagttttta aatttagaac cgtcatgggg aaagaagaga 420

attgggaaaa aangg 435

<210> 15490
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-A10

<400> 15490

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gcaatcgcgg cactttccgg tggattctcc tattactact tganatccgg caacaatctg 120

gtttatcngg atcaagctaa ngaagagaca ggaccaaaaa ccgctctaaa ccctgataaa 180

tggctcgagt tcaagcttca agacactgct agagttagcc acaacactca nttgttcagg 240

ttctcatttg acccctcagc tgagttgggt ctacatgttg cttcttgtct cctgacaatg 300

gctccnttan gctataatgc tgaagggaaa acgaaaatat gtcantanac cttacactcc 360

ctatatcaag ttcaagaggc taanggctaa tttganttac tgattaaggt anancctgac 420

gga 423

<210> 15491
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-A12

<400> 15491

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gctacacgac ggttatcgat gtcattgact gtaccggagt tcgatttcag attgacgcca 120

cagtttggtt tctcacagtc accgatcggg gagcgtaatt tcgcggatgt tgataatctg 180

gagaactgta ttaagtattt gaatcagagc ttagtcacct ctggattctc tgcttcgctt 240

gacctcttcg ctaccgatcc tgtttcgatt gctaanaact tgcaattgcg tataacgctt 300

tggattcaac aagaaggcaa acgaanatgt ggaattttag aagaaatctg ctaatggatc 360

agaagacaac gaacttttta tccgaatatg ggcgaagact ccgaaagcca aaagttgaaa 420

ggccttgaag actcaatttg c 441

<210> 15492
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-A2

<400> 15492

ccaagaactc tctgggccgc cgcgtctccg tcgtcgtggc tatctacaga tggcggataa 60

gaagaagcga aagcgatcaa aagatgacga ggcggaggaa cttcctttca aaagcattct 120

ggaatcagac gacgttatca cggagcttct caaatcgtat atttcctctt ctatcaaagc 180

cgccgccggg agccggcggt gcctcctcct cttcatcgaa acctctaacc ctagctgacc 240

tctctctatc atcttcctgg tcgtgaagtc gcagatttct caatctcctc cgtgcagaca 300

agagatagag acagtcatcg tccaaattgc ccgttctaat ctcgccggtg atgggcttct 360

ccttcaagtg ttccttcang ccgccgcctc gaaatcancc tgtatnttcc tgaacct 417

<210> 15493
<211> 285
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-A3

<400> 15493

gggacncctc cgnantagaa aagatnaaga anatgggttt gngaanaaca tggttggttt 60

tgtacattct cttcatcttt catcttcagc acaatcttcc ttccgtgagc tcacgacctt 120

cctcagtcga tacaaaccac ganactctcc cttttagtgt ttcaaagcca gacgttgttg 180

tgtttgaagg aaaggctcgg gaattagctg tcgttatcaa aaaagganga ggtggangan 240

gtggangacg cggangcggt ggagcacgaa tcggcggtan gagca 285

<210> 15494
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-A4

<400> 15494

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gccttttttg ttctctgctt agccaccaat ggtgtaaccg gatatgccac ggtcacaggc 120

tcggtgtttt gtgaccaatg caaggatgga gagagatctt tgtttgattt tcctgtctct 180

ggaatcaaga ttagtgtcac atgtgctgat gaaaatggac aggtcnaaat gtcaaagaga 240

aganactact aattgggctt ggaggaatat gtaatganga tttgatgggg acaccggatt 300

taaagtaact gttatgctca agtttcaaac aatggagttc aacaagaccc aagtagctgc 360

agcaattgct tcaagtcctg cacagaaact taaaccaaag ttcaagcttt tttt 414

<210> 15495
<211> 350
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-A5

<400> 15495

aggctcagct tcagctagct gagatcaaac atgctcgttt agccatggtt ggattcttgg 60

gttttgcggt tcaggcggct gcaaccggta aaggaccgct caacaactgg gcgactcacc 120

ttagtgaccc acttcacacc accattatcg ataccttctc ttcctcctga tgtggtggct 180

tttagcttct actggtgtca tgtaatgatg tggtggcttt tagcttctac tggtgtcatg 240

taatgatgta acgtcgttat tttaaagaaa atttggcacc ttttgtataa aaaaaaaaaa 300

naaanaanna annanaaaan nanaaaaaaa attaaaaana aagggcggcc 350

<210> 15496
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-A6

<400> 15496

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accctcgaat cccaattcaa agtcctttcg cttaagggaa tctcttgttc gtcaccatct 120

tcttccttct ccaatcgtcg tggtgcttcg gctaccttat cctcttccct tagcttctct 180

cagagcgttt ctcaatgcgt cgccttctca accgggaatt tgtgggtaca gaagccaatg 240

aggcaatttg attgtgtgtg aggctgctgc tcctaccaag aaagctgatt cagctgcaaa 300

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gttcccggga tgaagaaagt cctgggaaca cttgaagggc tcaagaa 407

<210> 15497
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-059-Q1-E1-A7

<400> 15497

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gcacagggca aagttcatct gatcagcaat caaatttgaa ggctactcca agaaacgatg 120

atgttgacat atatattgca atttctgatg atgattaaag atatgatgcg aagagaagca 180

agtagacaaa tgttgtatat tataaactca aggctacttg gtgaaaagta aagctttgta 240

tcttttgttt tgtggttccc ttagtccttt atgttgtatg tattgctagc taatgtttat 300

gcctagtgga aactgaccta attttgattc gtttgtggaa tcaatgttag atggaatccg 360

tttatgtatt ttggtgcata ttacgctttc ggtatataat ccttttgtat catataa 417

<210> 15498
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-H3

<400> 15498

gaagagattc ctcttaatga gcaagaagaa gtgtatcang attcttcttg agagtttcaa 60

gtgtgtgcct acgtttttgc ctttggattt gtacactaga tactaccatg gattctgtaa 120

gcaacagctt tggcctttgt ttcattacat gttgccactt tctcctgatc ttggaggtag 180

gtttgatagg actttgtggc aagcttatgt ctctgtgaac aagatttttg ctgatagaat 240

tatggaggtg attaatcctg aggatgattt tgtgtggata catgattatc atttgatggt 300

tttgcctact ttcttgagga agaggtttaa cagaagtcaa gcttggtttc ttccttcata 360

gnccatttcc atcgtctgag atttacaaaa ccnttgccta ntccgtgaaa nncctccncn 420

gggctttgcc naaaancg 438

<210> 15499
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-059-Q1-E1-A9

<400> 15499

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aaaaagaaga gagttcaatg agaaaacatt ctcttgatcg atggctttta acagctgttc 120

ttgtcgttct cctctcgtct tcttcctcct tcgcggccaa gaaggacgcc aagaagaaga 180

agaagagtaa taaggaggtg acatatgatg gaacctcttt gatcatcgat ggcaaaagag 240

agcttcttta ttctggctct attcattacc cgagaagcac tccggaaatg tggccaagta 300

tcatcaagag agccaagcaa ggcggtttga acacgattca gacatacgtt ttctgggaat 360

gtacatgagc ctcaacaagg aaagttcaac ttttcgggac gagctgaatt tggtgaaat 419

<210> 15500
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-B10

<400> 15500

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cangacnaag gagagatggg aagactgatt acagggcaag gatccgtctt atcaatcacg 120

acaagaacag gtacancacc cctaantacc gttttgttgt tcgatttacc aacannnaca 180

ttgtggcaca gattgtatct gcaagcatag ctggngacat tgttananct tcggcttacg 240

cacatgagct tccncagtat ggnctcactg ttggtcttac caaactatgc tgcancttac 300

tgtactgggc ttcttttggc tcgncgtgtt ctgaaaatgc ctggaaatgg gatgnttagt 360

tnccaaggga aaacgtagan gccactgnan aaaggacttt tccgtgggaa ccaant 416

<210> 15501
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-F11

<400> 15501

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aagaagtagc tgttgttatc gacgaaacag aagacttggg gtcaggtttc gatgatgctg 120

agatattcaa aggggaaaag gaagcgagtt acgaaggcgg ttattcggag aatctgttca 180

cttgaacttg caccttttcc tgtaatcatc atagggtttg attttgtgat tctttcttag 240

ggtttgattt gtattattaa tagaagtctt taccagcttt aagttgtatc ccagaaacta 300

atagttactc ttcttcttct tcttcctctt cttcttcttt actcagtaat gagaacaaaa 360

accattttag agatgttgan tgatatttac caaaacnnng aaaaaaaggg ng 412

<210> 15502
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-F12

<400> 15502

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aatcttcgtt ccgattccaa ttcagaggca gcgcatggtg cttctgagtc tgagactcga 120

gtctctttaa ggaagaagag gataaagcag gatgatttgg agcctgtaaa gaaatgttcc 180

gccangagaa accaaggccc gcaaggacat gtgtggatta cctgatatag aagactctcc 240

ttataagaag actaatggga actgcttcat ctaggncgag aaaactaaac tcatacataa 300

aatcaacaga aggctagccc cttctgcatc gtncgattaa nacaagcaag ggcttaggca 360

taccacctgn aaactgggga aaaaggngcn cccaagggtn tttcgaaaaa 410

<210> 15503
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-F2

<400> 15503

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tcgcgatact tgagctactc agctttaggg tttaacatgt taaggtctct gatttggaaa 120

cgatcacagg catattcttc agtcgtcacg atgtcttcaa tcagtcagag aggaaatgaa 180

aggcttttgt ctgaagtcgc tggttcacat tcaagagata ataagatatt ggntttggga 240

ggaaatggtt atgtaggttc acacatatgt aaggaggcac tgagacaagg tttctctgta 300

tctagtctta gcaggtctgg aagatcttct cttcacgatt cgtgggtcga tgatgtaacc 360

tggcatcaag gngatttgct ttcanccnag ntctccggag ccg 403

<210> 15504
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-F3

<400> 15504

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tcctaaaccg aaaagagcgg tctgccccga aaacccctga gttcaaggca atgttcacaa 120

tgtgcaaagg cnacgtgaca ganctcgaga gcctctacaa gtttgagaat cccattgtag 180

atgttttagg aattgccaag accagataca ccctgatgaa caaggcaatt cttgctgcgc 240

aagctagtgt tggcggtaaa gtcaataaga aaacttcttt gaagctaaag aaaagctatg 300

ctgatttgac aaaagggttt ctccgaatta aagaaactat tgtaaagata tcagccaaac 360

atgattacca aggctgatgc aaagatnacn ggtcacgaan ccnaaaaaag ncccaatccn 420

nng 423

<210> 15505
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-F4

<400> 15505

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gcaaagcatt atcgctattg ctctgccttg tgagctgcga tcacctgttt actgagagaa 120

gaacactgcg acgtcgttaa aagtaggttg agagcgagaa aggccgagag aatggagatg 180

gaagaaggag caagtggtgt tggtgagaag ataaagattg gagtctgcgt catggaaaag 240

aaggttttct cagctcccat gggggaaatt ctcgacagac tccagtcttt tggtgaattt 300

gagatcttac attttgggga taaagttata cttgaagatt caatagaaag ttggccattt 360

tgtgattgct tgattgcntt tcaatcctcc ggntatcctc ctgagaaagg tcnaggnata 420

tgng 424

<210> 15506
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-F5

<400> 15506

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gtttgttgct gctgaagtac tcgaaggtgt gaatctatcg ttgttatcgc gggtaatgtc 120

atcaaggcta tcgaaaggaa cgtacaacgg aggattgctc tcaacagaag ctggaacgtt 180

ggctcgtgtt gtggcagatg caaccataac attgggagga tatttgggaa gaggccatct 240

cctgaatgcc actcttctac catcacttgt catctgcatt ggctccatcg ttgctacttg 300

ttgtacttat aactcactct attgattttg gagttttgct accaaatttt acaaaataga 360

ataaaacagt gtgtaagatc gatcctctct ttgatttgat tatttttgnt ggtccaaatc 420

ag 422

<210> 15507
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-F6

<400> 15507

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taacttttac tactctctat tcgtttttct cttccttttg tggtgccgcc tccaactgaa 120

agtcttctaa tatatattct caattattct agctctccgg gagaagtctt atctcacgcc 180

aatctctcat ttcccactat gaggcatgag gagaattact tagacctcaa caatcttcca 240

gatgattttt ctaaagatgg caataagcaa gccctcgagg aaggttcttc ctctggtcaa 300

agaaagaaga aagggagtaa agaagggaaa gatgaggagt gggaaagtgt acgaatgtcg 360

attttgttca ctcaagttct gcaaatccca agcctcttgg tgggcacatg aaatcng 417

<210> 15508
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-G1

<400> 15508

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ggctactcag tagtcagaaa acctggggat catcctcctt tctccaaaat tatacattcg 180

tcttcacagc ctaaggagcg acaaggaaag ggaatcttac aaacgccatt tgccagtgtg 240

ggatctcttg acaagttttc agcttttgag ggaattggga ggctcaaatt accggtgatg 300

gcagtgttgt tgacaaactc ccttcaagat ggctacacct cttgaagctt tggctgctga 360

gatatgtgag cctgagagct ccatgttcaa gcatgcctaa tttggttgnc ttggtgcncc 420

taaaggggggg 430

<210> 15509
<211> 252
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-G10

<400> 15509

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nttctcaaat caaccaaaag ctccctcana gctctctctt tatccctccg attcttaatc 120

aangcctcac ttacgtcagc cggtgtaatc tcagccctan caancacttc cgcnaactcc 180

ttcaaaacaa cgtcgttaag atcaccttcc tcanacccca agtaantcct caataaaatc 240

ntggcgaaga ag 252

<210> 15510
<211> 94
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-058-P1-E1-G12

<400> 15510

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ttgggatggt ggattcagan tcacatcaac anca 94

<210> 15511
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-G6

<400> 15511

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tcttgcttta cgtcctaatg gtccaccgga ttttcggtta accgggatcg gttattcgtt 120

aaccgatatt caagaagttg gttggaaact tggtcagctt gcgagtacta ttggtgtcaa 180

tttcgaattc aagagcattg ctttaaacaa tttgtctgat cttaaaccgg aaatgctaga 240

cattagaccc ggtttagaat cagtggcggt taactcggtc ttcgagcttc atcgcctctt 300

agctcatccc ggttccatcg ataagttttt atcgacaatc aaatcaatcc gaccggatat 360

aatgactgtg gtcnaagcaa gaagcaaacc ataacggtac cgtanttccc cgattggttc 420

acgggatcgc 430

<210> 15512
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-G7

<400> 15512

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ccatctgttt tctactcgtt tggctccctc ggaagtatat ggtttttgct atggctaaaa 180

tttgcatata gctctcccaa ggatgacccg gacctaagtg aagaagaaaa aaaggttata 240

ctgggaggta gcaaaccaag ggaacctgtt acagtgattc catgggaagc taatactgtc 300

taaaccccca gtctgggctc tcataatttc ccacttctgc cataattggg gaaactttca 360

tactattgac atggatgccc acatattaca aatcaagncc tng 403

<210> 15513
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-H1

<400> 15513

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catcgacaaa ggaagacgac gaagaagatt tcgagcttcg acaaatcatg cggattctta 120

ctgctcgcat agctaaccat ttttgcaggg cacgaaacgc gaatcctcga tctcgaaatt 180

tctcctcgtc gaacaagaaa gatgacctta cattggagga agaagctgag aggaaaatag 240

gttggtgtct caaaattttc tttgcgggca cagcaacgta tattggatac caagtttttc 300

ccttacttaa ggtgataact taattcatca atcaatatcg cttttacatg tgaaggatcc 360

tttggttaag anaatgggag cttccnggnt tcccgnttcc gncaatgg 408

<210> 15514
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-H10

<400> 15514

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tttgacattc caccgagaaa aaaaaagaaa gaagttgaaa tttcaactct ctctctctca 120

ccctccgacc catttctggt cttgtcattt ctacaattag acttctctta gatttccctt 180

gttcttgtct ctttccgcgg atttcgattc cgacacaatc ccaaacaaga tagctgttta 240

ttcgaaataa agaaaatgga aggagggtct gttaatgaat cgcattctaa tgcggaccaa 300

atgtttgaca caactataga agagttatgt aagaatctct gcgaattgca gagttctaat 360

caantctcct tcnaggggan agttttgggt taaaaanggn gatgagtcna aagattgant 420

ccgg 424

<210> 15515
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-F1

<400> 15515

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aacgttttcc ctcttcgatt atcaacagtg tctccactcg tatcatcacc gcctccaact 180

aattttgcca tctctctcgt tgttccaatt tgattctact agtgagctcc gatttaattt 240

agggttttga aagatgtcag ctttgaaaaa ttacggcttg atctccattg attcngccct 300

ccattttcct cgatcaaatc aattgcaaga gctataagag aaggaatgca aaatgggtct 360

ctccaatagc aactgttgta cctaacttcc atcttcctaa gcgcagtctc gaggataaaa 420

acaggacaaa cacangacga cataaggtcc cttaaagtga tcacaggcat ttaagagacc 480

gttttt 486

<210> 15516
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-H11

<400> 15516

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atagcgaaga agaagacgat caaggaattg aaattagatt ctgttatctc tctatcatct 180

tcaatttttt taatttgatt gttttcacca aaaaaacaaa aactatgaac acgacgttac 240

gttacgatcc gagacacgat ntcgaggcaa acgaaaccgt cagatacacc ancgtcttct 300

ccgtctcgta gnaaccggng acagnctttg cttcacagaa gtctctcttc nccgtcacca 360

cgaagcttct tgcgggcggn tntactcccg ccggagnttt gcgggggggna ccnacgggaa 420

nttgcccccn cctggtgggg gtnggtgggc cccngggggg gnnccngtta accaangcgn 480

t 481

<210> 15517
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-H2

<400> 15517

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aactgtcttt ctcgccaagt tctatggccg tgctggactc atgaacctca tcaacgccgg 120

tcccaatcac cttcgtcctg ggatttccg atcgttgttg cacgaagctt gtgggaggat 180

tgtgaatccg atctatggtt cggtgggttt gttgtggtcg gggaattggc agctttgtca 240

agacgccgtg gaggctgtga tgaaaggaga accgggtcaa agagatcgcc acagacgctg 300

cgacgatcgg ccaangtccg cctcntaana tctacgacat ccgacatatc tccaagggat 360

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gtncngaanc ggggnctccn accgtt 446

<210> 15518
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-D1

<400> 15518

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caccgcccga tgatctccac cggaggaatc gctgtttccc cccgtagagt tttcaaagtc 180

cgaagccaca gatacgggag agataggatc agctctattg gcggcggagg aagcaattga 240

agacgtggaa gagacggagc ggctaaagag atcgctcgtg gattcgttgt acggaacaga 300

tcgaggttta agcgcatcga gcgaaaccag agctgaaatc ggagatctaa tcacacagct 360

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aatngnttcc ccccccaa 438

<210> 15519
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-D10

<400> 15519

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atatgttcga ttaggttatc tgatcgaacc catttgtctc agagacgtta ctctatgaaa 180

cctttaaacg ctgagtcaca ttcacgaagc gaatcttggg ttactcgtgc ttcaactcta 240

attgctcctg aagttgaaga gaaaggagga gaagttgaag actttgagca acttgctaaa 300

aagcttgaag atgcttctcc acttgaaatc atggntaaag ctcntgagag attcgggaga 360

acnaatcnca attgccttta gtggggcnga aaaagt 396

<210> 15520
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-D2

<400> 15520

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cggcgacatt gatcgaagct tggggagatc gttacgtcaa tctcaaccgg ggaaatctcc 180

ggcaaaacga ttggaaagaa gtcgccgacg ccgtcaattc aagccacggg aatggccggc 240

caaagaccga tgtacagtgc aaaaaccgga tcgatacgtt gaagaagaag tacaaaactg 300

aaaaggcgaa acctttatcg aattggtgct tctttgatag actcgatttc ttaatcgggt 360

ccggttatga agaaatcgtc cgggtgctgt tgttaaatcg gngtttntga aaccnaaatt 420

ntgancccaa cgggggntnna aa 442

<210> 15521
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-D4

<400> 15521

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gaaaggaatg gttcgatcgt gactttgant tgggatattg tgtgtaaaat gtgggtgcct 180

acattgagct caagctcatg ttcaagtgat gagagggatg agagcagtgg agaagccgcg 240

cttacgccgg tttatctcaa tgtcnatgat ctaacgcctg tcaacaatta cctttattgg 300

tttgggattg gnattttcca ntctggtant gaggctcana atttgngaag attgcnagng 360

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<210> 15522
<211> 90
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-D6

<400> 15522

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ctaggagcat tatacaatgg aattgtgtng 90

<210> 15523
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-D7

<400> 15523

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tcggaaaggt acgagcttta tttgatcaca gtggggaacg agttgatgaa gctggaccct 180

ccatacctgt acaggtgatt ggtttaaata atgtccccat tgctggtgat gaatttgaga 240

tcgtctcttc ccttgatgtg gcgcgggaga tggcagaggc acgtgcggta tcactacgaa 300

gatganagaa tatctgcaaa ggctggggat ggaaaggtca cgctttcctc cttaagcttc 360

tgctgtatca gcgaaaaaga tgtcaggctt aagatttgcn tcaacctaat atcnaccg 418

<210> 15524
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-D8

<400> 15524

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attgttgctc tcatggaaga gattcagatg ataacaaaga agaaccgagg ccggaaaatg 180

gaggcggcgg tgttggtgcc gctgaagcct ctgttagagc ttctaaacac ccgccagcat 240

ctcctcctcc tgcaaccaaa caaggaccaa taggacctgt cttagggcga ccaatggaag 300

atgtaaagag ctcatataca ttgggtaagg agctaggtcg tggacagttt ggggtgactc 360

atctctgcac gcaaaaggcc acggggctgc aattcgcttg caagaccatt gctaaaaggg 420

nactccnga 429

<210> 15525
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-E1

<400> 15525

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gtcgatgaga tactctgtcg cgttccggcg aggaatctga aacggttacg atctaccagc 180

aaacgatgga accgtttatt caaagatgat aggagattcg caagagagca catgcataaa 240

gccccaaagg agtatctacc tctcatgttg acaagcgagt acaggatctg tccggtgagc 300

atcaatctcc aaggagatgt tccttctgta gtgttaaaga gagagcttag cctaccagat 360

ccggattatt cacatcaatt cgatataggt cgagtctttc actgcgacgg cttattggta 420

tgcaaccacg tangcaagga atccccgata ccggtntaaa atcctgggtt gggaaccccc 480

ngactngng 489

<210> 15526
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-E10

<400> 15526

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gtcttctact caagtctctc tctcgctctc tttggaggct caattagggt tttgttgtcg 180

tgagatttga ttacacaaat tgctgaattt ggtttcgatt attggtgtta ttgttttcga 240

agatttccaa gtgagtttcc gtttatggat ctgactggga ggatttggag ctagattcgg 300

cggtgttgga ccgtgccggg aaccaatagg gcttgaatcg ccacatctcg ggtgaccaaa 360

ttcgggaaac taagtgacga actttacctc cccganaaac cccngggggg tnntg 415

<210> 15527
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-E12

<400> 15527

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cgttcattgt tcagaagggg actttgaaaa gaggggatgt tgttgtttgc ggagaagctt 120

tcggaaaggt acgagcttta tttgatcaca gtggggaacg agttgatgaa gctggaccct 180

ccatacctgt acaggtgatt ggtttaaata atgtccccat tgctggtgat gaatttgaga 240

tcgtctcttc ccttgatgtg gcgcgggaga tggcagaggc acgtgcggta tcactacgag 300

atgaaagaat atctgcaaag gctggggatg gaaaggtcac gctttcctcc ttancttcct 360

gccgtatcaa ccaaaaagat gtccaaggct aaanttgcnt caaccttaan ancntc 416

<210> 15528
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-E2

<400> 15528

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tagtttccgg ttacttcgaa taaccttcaa tggagcttcc gttactctcg tatgctagct 120

ccgcgtcgtt ttcacggaca ggcttatgct cttcttcttc ttcctcctca actagtatct 180

atgagtttcc ggagagaaga cggagtttaa aattgagatt caatggtgga gaaaggtcac 240

gaagcgttat agcttccgct gaacggagca gtgaagggat tgagaagaca acagacaccg 300

tcggtggcgg aggaggagga ggagcaggca gatttgctgg tactgccatg ggaggttact 360

acacttgatc gtggttttgc taactccacc accgttgatt ttccgntttg ggaacaaaan 420

ngngcggccn tntctttnng ctt 443

<210> 15529
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-E3

<400> 15529

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ttctctggtg ataaggttcc ttgcgaggat cgagtattgc tcattgcaaa ccaccgaaca 120

gaagttgatt ggatgtactt ctgggatctt gcactgcgta aaggccagat tgggaatatc 180

aaatatgtgc ttaagagtag tttgatgaaa ttacctctct ttggttgggc gtttcacctc 240

tttgagttta ttccagttga gaggagatgg gaagtcgatg aagcaaactt gagacagata 300

gtttcgaagt tttaaggatc cccgagacgc tttatggctt gctcttttcc ccgagggcac 360

agattacaca agaggctaaa tgccaaagga gtaagaaatt tgctgctgna aatgggcttc 420

cgatacctga aaa 433

<210> 15530
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-E4

<400> 15530

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atcttcttca ttaggagata agtctaaact ggtcgaagat gttgggagat ttcatcatca 120

gactccttgt attgatatta gggtacacat acccagcatt cgaatgcttt aaaacggtgg 180

agaagaacaa agttgatatc gaggaactca gattttggtg ccaatactgg atacttttgg 240

cgctaatttc atcattcgag agggttggcg attttttttat ctcatggtta ccgttatacg 300

gagagatgaa agtagtcttc ttcgtatatc tctggtaccc taaaacaaag ggaacgaaga 360

catgtgtatg aaacattgtt tgaagncatn catggntcaa cacgaganag g 411

<210> 15531
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-058-P1-E1-E7

<400> 15531

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gaatctgcgt gagtttcaat cgcttgatcg atccatcaaa ccctagagat ggtgaggaaa 120

aaggtaccgg aatggcttaa tagcaccatg tggtctactc ctcctccgcc atcttcttac 180

gacgatggtc tcctccgtca ttccccccgtc actaagatga aggaagaggc agaatcgatt 240

tccgttgctc ccaggcttaa ttctgctcct ccgccttctt ccaacacttc ggttccatcg 300

ccgtcgcata gaccgaggaa cggtaacagt atctctggcg gtagtggcga atatggacat 360

tccgttggtc cttccgccga agacttttcc cgccagggct catgtctcaa cgggggtt 418

<210> 15532
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-E9

<400> 15532

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tcgctcacac tatcttcggc gttttcggaa atgcaactgc tctgtttctt ttcttggctc 120

cttcgataac attcaagaga atcatcaaga acaaatccac tgaacaattc tctggtatcc 180

cttatccaat gactctcctc aactgtctcc tctctgcttg gtatggactt ccctttgtgt 240

caaaagacaa cacacttgtg agcacaatca atggcacagg agcagtgatc gaaacagtct 300

acgtgttaat ctttcttttc tacgcaccaa agaangagaa aattaagatc tttggtatct 360

tctcttgcgt tttggctgta ttcgcaacag tagctctcgt cctctctctt tgggnctcaa 420

<210> 15533
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-C9

<400> 15533

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ctcccggaaa ccccaaagcc ggtgaaaaga tcttcagaac caagtgcgct cagtgtcaca 120

ccgtcgagaa aggtgccggt cacaaacaag gaccgaattt gaatggattg tttggaagac 180

aatctggaac aactccagga tattcttact ctgctgctaa caaaagcatg gctgtgaatt 240

gggaggagaa gactctttac gattacttgt tgaatcctaa gaagtacatc cctggaacaa 300

aaatggtgtt tcctggactg aaaaaaccgc aagatcgtgc cgatctcatc gcttaattga 360

angaagggta ctgcttagac aaggntccgt ccaagatata tgaagctggg aatttttttt 420

ccc 423

<210> 15534
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-A2

<400> 15534

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taggtgactt aagagtaaaa aatggtanag gcagaggttg aagtagatgt ggaaatcaaa 120

tctacggctg ataagttttt catgttctcn agaagatcac aacatgcctc caaagccact 180

cgctatgtac agggatgtga tctgctcgaa ggcgagtggg gcgaacttgg aagcatactc 240

ttgtggaaat taactgttga tggagagcca aaagtgtcaa aggatatgan tgaggcgatt 300

gatangaana tgaatatgat ccagtggagg gtgttagagg gacctctgaa angaacagta 360

caatattttc tcgaaagacn atgaacagtn agccctaagc angngagggg tctgnaaagt 420

gtngtngaan tnggaacctt gagctatgna ggnngaaatt gantgagnaa aggggg 476

<210> 15535
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-A4

<400> 15535

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ttttatccag attcatcatt ttccaacgtt tttcttcaat cgaatcatca gcgagtttgg 120

ttccgacgac gatcttagta gcttcataag ctcaagattc ttcaggtttc ggtggatttt 180

cttgagctct tctaagcttc tccattttgt gagcctccga tttcgaacct ggtagtgttg 240

tggatctcac tggaccacga agctttcttc actgagctaa gcttgaagtc aattcctctg 300

ttcgacaatc aatagaggaa gatgaattat ttcccagacg aggttataga gcacgtgttt 360

gacttcgtag cttctcacaa aagacaggaa ctccgaaatc tccnggtctg gaaattcatg 420

gnacaagant cagg 434

<210> 15536
<211> 230
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-A5

<400> 15536

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tgccttcgcc ggtaaggccg tcaagctttc ccccgcggca tctgaagtcc ttggaancgg 120

ccgtgtgaca atganggaag actgttgcca agccaaaggg cccatcaggc agcccatggg 180

tanggatctg acngtggtca gntantnggg tcatcccccg gnnaancaac 230

<210> 15537
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-A6

<400> 15537

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ccatctatca tggggataat gtatacatat ttgcctacct acatagtata tatgcatgta 120

tgtgagtata tataagttaa gtctttctca ctttgcacaa catctctatg tgctaaggca 180

tctctttctc tccctttctc accaaatact ctctcaattt ctctctgcca ctctctttct 240

ctagagattt tcataatgaa aggtaccaag aagaagacgc catgcaacaa aaagcttgga 300

ggatacttga aagagcaaaa gggaaggctt tacatcatca agaagatgtg tggtcatgct 360

catttgttgg gcatgactaa nttacaactt anatggtgtt nnatatacat gnataaggcn 420

caaggcatta ttg 433

<210> 15538
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-A7

<400> 15538

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accttgcagt tgttgaatac gatacagagg atttggaacc accaatctta tctgtataag 120

gacgcggtca agaaatctac tctgtttgac attatccctt tcctttatcc acaacaantt 180

ggtgatacat caaaaggaat ggctgaagct gatcaccaan ttctcagctc ggaaataaga 240

ctcggatcgc aatacgtctt ctacatggag acacanacag ctcttgcagt gggagatgaa 300

gacaactgca ttgtagtcta tagttcaaca tatgaccctc ngtacgttac agtcatcggt 360

cgctggcttg cctaagcatc cctgaaaaat aaaatccgtg tccataacca gnacgttttg 420

ng 422

<210> 15539
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-057-Q1-E1-A8

<400> 15539

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tccagttgca tcgtagcaac agaagaactc tatcgataaa ctgcgtaaac agtggcggtg 120

atgaagagaa gattactcag ccgttggatg gagtggagat aagattcaga agaggatcca 180

gaaggaaaat gagggaagag ggttcaggag aaggaggagg acaaagcggg aagaaaaaag 240

agactgttca aaagccatgg gaagagatga cattgaatga gaaggcattg gagctttatg 300

ttggagagaa aggtttgttg ttttggctaa acaaattggc ttacgcgtcg atatacattg 360

tcattggagg ttggattttt ttccggtttg ttggaccggc gtttaatcct taacaaactc 420

cgaatacaac 430

<210> 15540
<211> 55
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-B1

<400> 15540

actgtagatt ccatcaaatc tatcaatatc cgtnaagttc tcactcangc tatca 55

<210> 15541
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-B11

<400> 15541

ggtggagcat tagtcaggaa acgagtactc tccccttaa atactctttt ccctgtcaaa 60

ttcagaggtg acctgcatga tatcagctgt ggtaaccacc aacaaattac ttattctggt 120

cagtctaatg gattctgcaa ctctgtcgca caagatcaca taaaggctaa tacccctagt 180

aggttacatc tctccactac tcctacaaac cacaagttgc tgggagtgga agaatgtctc 240

aaacagtggt agactctcgt ctatgggtct tcactgatgg tccattgctt gactctgtag 300

atctccgcca acccgtcaaa nggaggtgag gtttgcctta nattccccac tatatgaaac 360

gtctagcaca cccaataagc ccttaccttt gtganaagga aaatatctgt cnctccgccg 420

gg 422

<210> 15542
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-B3

<400> 15542

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tcttcccccg acgctgctca gactcctcta accaccgctc cttatggctc ctggaaatct 180

ccaatcaccg ccgacatcgt ttccggagct tcaaagcgtc ttggcggcan cgccgtcgat 240

tctcatggcc gtctcgtctt gctcgagtct cgccctaang aatccgggag aggagttttg 300

gtgctacaag gagaaacatc aattgatatt actccanaag actcgctggt gagaaactta 360

aanacaagaa ntacgggtgg tgggtgnttt gnannatttc atcaannтga tnacag 416

<210> 15543
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-B4

<400> 15543

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tcatcatcat caattggggt ttttaatccc tagaatcagt agaaaatatc gatcattgag 180

cttcgattct ggtctccgtt tgattgtttc ggacaatcag agctttgagt ctccgaaaag 240

gttggttatg tcatcttctg ttccaaactc ggaccggaag attgttactg gtcccgccgg 300

ttatactctt gaagacgttc ctcatttctc cgacgacttc ctgatcatcc nacatatcca 360

aatccattac nagacaatgc agctaatccg ttgttanagc agtaatttgn cnaacaggga 420

tgng 424

<210> 15544
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-B5

<400> 15544

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gcagccccga tatgggtgtt taacaacggg ataagtcaca atgatgaagt tgaaactgcc 120

agtatcatgc cctttgttca agaagcactc gacggtatcg agtttgcccg aggagatgcc 180

aattctactt ggggatctgt tcgagctaaa atgggacgcc aagaaccttt tgaacttaaa 240

tacgttgcta ttggaaatga agattgtggg aaaacttact acagaggaaa ctacattgtg 300

ttctatgatg ctatcaagaa agcctatcca gatatcaaaa tcatctccaa ctgcgatgga 360

tcctctcatc cactcgacca cccagctgat tactaatgac tatcacattt aacacntccn 420

gccanc 426

<210> 15545
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-B6

<400> 15545

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gaacaatagt aatatgggga tgtctaaaag tatcaaggtt atcttatctc ttgctctcgt 120

agtgttcttg gcccttgctg caaccaaggt tgaggccaca agatacataa cttatcctgc 180

tatcgatcgt ggagatcatg ctgtacattg tgacaaagcc caccctaaca cctgcaagaa 240

gaaagaagca aatccttacc agagaggatg cgagaagatc antcgttgcc gtggtggata 300

ggtggaaaac agtgaattaa ccaacccacc caagagcata nnatatacat caatacatta 360

tctatataca cacttttgac atcctcatat tcaattttaa tgatnataat tttaagccca 420

ataagtggcn t 431

<210> 15546
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-B7

<400> 15546

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gcacatggag gagggaaaag gtgtgcgtgg ggtcaacccg agactgagta tgcgggacag 120

tcttcttctg gtccttgtac ctcgtttgct cgcggtaaga ctggtctttg tgcactccat 180

aacagtctgg ttcaggataa ccgggttcac ggaggaatga ctataacttc cgagagccaa 240

gaaccgagag taagcagcag cgaaacagag aacgaggaag agtttagcgg ttctcaagac 300

atgaacatgg atacaatgaa agcgagaagt gctaccggat ctccagagac tgatgttgat 360

ctcaatgagt atgaagcang attggggtta gctccggaaa gaaaaatcca angtgggaan 420

tttgat 426

<210> 15547
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-C12

<400> 15547

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ttctatttaa cttttcttat atataaaaaa aatggcgaaa aatttactag caatatgtct 120

ggtgtttatg gttgcatcaa gtgtggttta tgaagtgcaa gggactttct tgttaaagct 180

ttacttgagg aggaagtttc ccagacgttg tatcgacttt gcccccttatg ctggcaaagg 240

tatgttgatg ctcgtgagca accttgaagg tggatgtccc gcaactagag agttcaaaac 300

aaattctttt caacgttcaa gtcttacatg aagctttatc agctcaagca tcgatatccg 360

catnngaaaa acatcgatgt ggaagatgaa tgggaagatg tgaattgctt tccaaaggca 420

atg 423

<210> 15548
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-C4

<400> 15548

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aactcataaa gcttcactct tttccanaat ctcttactcc aaagttttct tctttccccc 120

caaaaaatta taatggtcga cgttgatcgg agaatgaccg gtctcagacc agctcacgcc 180

gctggtctcc gtcgtctctc tgctcgcgcc gccgcaccan caacaccaac ggttanaaac 240

agtctcgtct ctttctcntc tctcgccgat caagtaatct cacacttaca cacttcaagg 300

atccaagtcc aaccgggtcn aaccgactcc gaattcgcta ngagcagaat catagtttgc 360

attcgntttt ccaacggaan tccgtgctgg ttctcaaagc cggtttacca cntcgggggc 420

cggaatttg 429

<210> 15549
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-A10

<400> 15549

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cactaagata catacaaggc ttctaaacac tcttcttgat ctagtgcaga aggaacggat 120

aggtgaagtt attgataggg ggttgatgag gaatgtcatt aagatgttta tggatttggg 180

tgaatctgtg tatcaggagg attttgagaa gccgtttttg gatgcgtctt ctgagtttta 240

taaggttgag tctcaggagt ttattgaatc ttgtgattgt ggggactatc tgaagaaatc 300

agagaaacgc cttactgaag agatagagag ggtagcgcac tacttagatg ccaagagcga 360

aagagaagat tactaatgtt ggttgagaaa gagatgantg cca 403

<210> 15550
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-C8

<400> 15550

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gattcacgtc cactacaatt accgaatctc tccgaagcca ccgatcacct acgctagttt 120

cagtggcaat tcgaagcttc caatgagttt gttctgtaat tcaatcgaaa ccctttatcc 180

aaaaccattc ctttcacaca aatctcactt ctttaccttc tccaattcca aattccaaaa 240

ccctaaattc acaagcttcc cacttcgtca ccaatggcgg atcgaatcat gtctgaaatc 300

agcatcttca tcagaaatcg atatggtaag aaacaaagaa ggtatctttg caccaaagga 360

gaagaaagtt gtagtcttat gggacttaga caacaaanca accacgangt caacatacgn 420

aagcg 425

<210> 15551
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-F12

<400> 15551

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caggcagggc ttcctcttgt acagcaatat ctgttacagt ttgatcagtt ggtaagagag 180

ctaatgccca aactaggaga acatttcact caagaaatga tcaatccgag tatgtatgca 240

agtcaatggt tcataaccgt cttttcgtat tcacttcctt tccattcagc gctacgaatt 300

tgggatgtgt ttctagctga gggtgttaaa atcngtgttc anangtccgg tttagcatta 360

ttgaagcatt gccatgatga tttgttgaaa 390

<210> 15552
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-F2

<400> 15552

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tgcaatctct tctctttcct tcccagcttt gggtcaatcg gacaagatct ccaatttcgc 120

atcttctcgt cctctcgcct ccgcaattcg catctgcaca aagttttctc gcctttcttt 180

gaattcgcgt tccacttcga aatctcttat tcactgcatg tccaatgtta ccgccgatgt 240

gcctcctgta tcagagacaa agtcgaaatt cctaaaagct tacaagcgac ccatcccgag 300

tatctacaac acggttttgc aggagctcat tgtccagcag catttgatga ggtataagaa 360

gacttatcgt tatgatcctg ttttttgccct tggatttgtc actgtatatg atcagctcat 420

ggaaggatat ccgagtgatt aagaccgana tgccantttt aaagggtana ttg 473

<210> 15553
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-F3

<400> 15553

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cattcgctct ctttctcttc tttctctanc tctcttggtt ttttgctaaa aacagagcat 120

tttctctcta gctctcactg tttctttacc ataagtttcg tcatattagt acatgcaagt 180

gtaagggatg gtgatggagg aaggaagaag catacaagaa gggcttttgc agctcaagaa 240

caaaaacgac gattcagagt gtcgtattac tgcttgtgtt atccttagca cttttgtcgc 300

cgtttgtggc tccttctctt ttggtgttgc tactggttac acttcaggtg ctgannacag 360

gagttatgaa ggncttggat ntttccaacg ccgcaatt 398

<210> 15554
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-056-Q1-E1-F6

<400> 15554

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cattcctcga aaccctccaa aaacccattt caatcaattt ctcgcttttg ccctctacgt 120

ttctcgtcct gggtttctca aatccagctc agtttattcc ccaattcaat aatcaaaact 180

ctgtcttttg gtgggtcttc gtcaaagctc tctcctttac ggtccttttc tccagcgcat 240

gaaataataa aggacacctg tatttattaa aatcactaca ttttccgtaa caaaaaaaat 300

caaactttgt tttctcaatg gacggtgccg gagaatcacg actcggtggt gatggtggtg 360

gtgatgggtt ctgttggagt tcaagatccg aaaaaacacg gatggcaacc gggatttt 418

<210> 15555
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-F9

<400> 15555

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caaaggtggt cattgaacat ggtgctgttc cgatttttgt tcaactattg gcttctcaga 120

gtgatgatgt ccgtgagcag gctgtgtggg cattagggaa tgttgctggt gattctccac 180

ggtgcagaga tcttgtcctt ggtcaaggag ctttgatacc attactctct cagttgaatg 240

agcatgctaa actctcgatg ctgagaaatg ctacttggac cctctctaat ttctgcangg 300

ggcaagccac agcctccctt tgaccaggtc cgtccancac ttcncagccc ttgaacgncc 360

tgattcattc gactgatgag gaanntgtta anggatgcat gttggggctc tcc 413

<210> 15556
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-G4

<400> 15556

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tttgttaatt tttgttatat ttccttcttc actattccgc ttagagcaca acaccacgat 120

gacgaccaan ggcatggana aaaggattaa gctgattccg ggttctcaat ccatggcgag 180

aaagaagatt ttggctgaaa tgggatatga ttacactatc gtgactgcag acattgatga 240

gaaagctatt aggacagaga agcctgaaga tttggttgtg gctcctgctg aagccaaggn 300

aaatgagatt atatccaaat tgggaaggta aaaccaattt gcaaaagatt ctcaaacaac 360

tcctttgnat accgcanaca cnggttgttg tgttcaaaan gngttnttna gnnaaaaccc 420

ccccccnaag 430

<210> 15557
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-G5

<400> 15557

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tcctctgcag cctttctcta tcaaggtgtg aatcaaaagt cgtgccgtat gattattctg 120

caaccatcga gtgtctagag ataccttaa aaccacagta caatggagga atcatcgtca 180

gccctgacgt acgagatggc accctaggct ggacaccatt cggaaacgcg aaagtcgatt 240

tcagaaaaat tggaaaccat aatttttttg ttgcacgaga caggaaacaa ccttttgata 300

gtgtctcaca gaaggtttat ttggaaaagg gacttctcta cactttctct gcttggttac 360

aagtaagtaa aggaaaggct cctgtgaaag cagttttcaa gaagaatggt gaatataaac 420

ctng 424

<210> 15558
<211> 314
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-G9

<400> 15558

gatcatagag ctcggggatt gaacccatca nactcagtga ccgttggaag ttgtggaaga 60

atgtcactct cgacaatctc gaanctgctg gcgtgaccta ctggaagcat ctcatattga 120

agcctaatgg ttcgaacttg aggcaantgg tgtacaagtc aaaggtgang aagagtctcg 180

tgaagaaagg atacancatc gttggcaata tcgggagatc aatgggctga nttggttgag 240

ggataccct gggaagggtt tttanggctc cccangatcc cacncnacgn angttacgct 300

tcntaagaaa tcna 314

<210> 15559
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-H1

<400> 15559

ttcttctatt agccgccatg gtgaagtact cgcaagaacc cgacaatcag accaagtctt 60

gcaaggctag aggatccgat cttagggttc acttcaagaa tactagggaa acagcgcacg 120

caatcaggaa gctaccattg atcaaggcga agaggtacct tgaggatgtg atacctcaca 180

agcaagcaat tcccttcaca cgtttctgca gaggtgttgg gagaactgct caagctaaga 240

ncaggcactc naatggtcaa ggacgttggc cagccaaggt ctgctcagtt tgttcttgat 300

ttgctcaaga acgctgagan caatgctgag gtgaaaggtt tggatgttca tngccctcnt 360

catatcacac ctccnggtga acccagggcc gcannancaa cnaggacann ggacttacnc 420

gttnctcatg 430

<210> 15560
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-H10

<400> 15560

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cgtctcttag ccaaatcacc ctgccacgcg cgccgtcgtc ggagattggc ctcttacgcc 120

gtcgattgga gcggccgatc atcagaaccc ggatcggatt caacggccgg attgcgagcg 180

tattgactaa cgcaggggac caagcggtgt cggtaaaagc gagtgtgagc cagaaggtga 240

ttgaagagga agccaaagtt attgtgggta cctacgcgcg agctccagtg gttctctcga 300

gtgggaaagg ttgtaaattg ttcgaccctg aanganaaga gtatctggat tgtgcatctg 360

gaatcgctgt tgaaaggctc ttggncatgg aaattcctga atgggnntcg 410

<210> 15561
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-056-Q1-E1-H11

<400> 15561

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ttctttttct attttttgt ggagtttgaa tctatccatc ttctgagaga agaaaaggga 120

acaacttttt ttctccattt cacctannaa attgttcatc ccaagtttct gtctttggtt 180

tcatctaagt ttcactcntg gtgattctgg aagataagtc gctgagttaa agttgcanat 240

cntgaggtta aganaaagaa cgtgagtgtt gtgtaatgng angaggtaan gggacnagag 300

aggaagtgga accacngagg catgattttg tgttgccaag ggggtgagaa ggaanagagt 360

tangnngtnn ggaaagntga aggancgnat caag 394

<210> 15562
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-H3

<400> 15562

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gtccagagca gaatgagagc acaaacaaat gttaaaattt ccaggtactt ccttatcgat 180

caacttataa gtgcggtatg tagtatcggg agccgatatt ttgtggattc ttggtttggg 240

aagcagatgt tgccacctcg ctttccttgg ttggtggtta cttgagtgta ggatgttatt 300

tggttggtac ggtaataaaa aaaagagctt ggcatttgtt ttgtattctt gtagtgtctg 360

catctgtcnt gatgaactga naatat 386

<210> 15563
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-H5

<400> 15563

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nttggttcca agtttatcaa atccttgtta aggtaaatgg ttttttttcc aaaaaaactt 120

gaaatccgat cttcttcttc ttcttcttct tcctctgctt cttgtgttct ctgctgctgc 180

tgctactact ggtttcttgc aatggtaact ttgagtatat ttgaaaacct gattttgatg 240

cgccgtatat gacagatttt tgtgaatact gagggctatt tttcttttat cactaatctt 300

tgttgtttgg tattgatgta gttaatcatt tgtagttgta tgttgttatt tttggtgaga 360

tttaagccct gtgatgatga ctctaatgag tttgagtggt gccgcttggg ttttttcttg 420

ctgaaaa 427

<210> 15564
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-H6

<400> 15564

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gcaacaaatg gagatacctt tttgggagga gaagactttg acaacacctt gttggagtac 120

ttggttaatg agttcaaaag atcagataat attgatctga ctaaagacaa ccttgccctc 180

cagaggctga gagaagctgc agagaaggcc aagattgagc tctcatcgac aactcagacc 240

gaaatcaacc tgcctttcat tacagcggat gcttcaggag ctaagcactt gaacatcacc 300

ttaactaggt caaagtttga aggtttggtg ggcaagttga ttgagaagaa caagatcccc 360

gtgccaaaac tgcctgaagg atgctggagt cacaattaag gaagttgatg aagttcntcc 420

tgttg 425

<210> 15565
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-H7

<400> 15565

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gtccagagca gaatgagagc acaaacaaat gttaaaattt ccaggtactt ccttatcgat 180

caacttataa gtgcggtatg tagtatcggg agccgatatt ttgtggattc ttggtttggg 240

aagcagatgt tgccacctcg ctttccttgg ttggtggtta cttgagtgta ggatgttatt 300

tggttggtac ggtaataaaa aaaagagctt ggcatttgtt ttgtattctt gtagtgtctg 360

catctgtcnt gatgaactga naatat 386

<210> 15566
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-F10

<400> 15566

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tcacaaaagg taacaacgtt aagttacgta gccacctaga taagttttta gtcgccgacg 120

atgaccaaga aaccatccgt caaagccgta aaggagatgc acggcgtgcc gtttggacgg 180

tggagcccgt cgtcgataaa cctaatctga taaggttaaa gagcagccac ggcacgtact 240

taacggcgag caacaaaccg ttattgttag gtatgaccgg tgagaaagtg actcaaacgg 300

cgtcgtttaa caagctgatg gattggcaaa cgcagtggga accggagcga gatgggtttc 360

aggtgaagcn aaaatctggt gcgggtaagt ggatgaagg 399

<210> 15567
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-C5

<400> 15567

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tattatgacg atgatgaaga ggaagagatt gaagaagatg aagatgaagg tgagggtgaa 120

gatgaagaag atgctgataa tatagagtac gaagtagatg atgatggtaa tgtcgttatg 180

gtgttgtacg gagatgaaga agaaggagaa gaagaagaag atggagctag tgaacaagaa 240

gaaggacagg acaagtcaac taatggtaga agagaaaccc ggagaacagt taacgtnnga 300

agttaggact gtccgtaatt cctttgtttt tgggtcatgt tttgggatat naggtcccac 360

ctcaaatcca aattgttggt gttcccnata ataccancta agaagtttnt gagaacctaa 420

cct 423

<210> 15568
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-056-Q1-E1-C6

<400> 15568

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gtgctcggct ttgaaattga ggatgagatc ctttccactt ccttctacct gctgacaatg 120

ggcaactgcg gtactagaga cgaggctgcc gtcttcactc ctcaagctca agcccaacag 180

ctccagaaga agcactcccg atccgtctca gatctgagcg atccatccac tcctcgcttc 240

cgagacgact ctcgcactcc tatttcgtat gcccaagtca tccccttac tttgtttgag 300

cttgagacca tcaccaagag cttccgccca gattatatac tcggagaagg tggtttcggt 360

accgtctaca agggttacat tgatgacaat ctccgcgtcg gcctcaagtc tctcccctg 419

<210> 15569
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-C7

<400> 15569

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tttggtgctg gcgtatttta ccgtttcagt gcttcagtta tatttattct cctctcagtt 120

ggtgtggcag ttgttgcttc agcagttctt cattatcgcc aagcttatgc tctgcctcta 180

ggttctgggt ttagctgtcc tggtgtaccc attgtgccat ccgtttgcat tttcttcaac 240

atcttcttat ttgctcagtt gcattangga agcanggana anatttgttg ttgtcagtgt 300

gcttgcaact gccgtntatg ccttgtaann ggcangtaca cccanatncg agcaaggttg 360

gataacanan gggaccctga aaactgaaan gnaacctcaa gtaanngcta cattng 416

<210> 15570
<211> 69
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-C8

<400> 15570

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gngggccgc 69

<210> 15571
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-D11

<400> 15571

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ccaagaggat caaccagtct cttccccttc agattctcct ttccacagtg aatggatcaa 120

caagaccatg gacagtctgg agctatgaac tatggcacaa anccatacca aaccaacccg 180

atgagcacca ctgctgctac tgtagcagga ggtgcggcac aanccaggcc agctggcgtt 240

ccaccagatc catcaggcag caagcaagca gcaacagctg gcacagcaac ttcaangcat 300

tttggganaa ccaattnnng agagattgaa gaangactan cggatttcan nganannaca 360

ggccttcgcc ttgngagant caagnaggat cntgana 397

<210> 15572
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-056-Q1-E1-D2

<400> 15572

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cccatttttct ttgaactaaa gatcaatggc tcacaaccat tctaatgaag acggctctat 180

tggaacctcc ttgcatggag tcacggcaag ggagcaagtc ttctccttct ccgtccaaga 240

agatgtccct tcatctcaag ccgtccgaac aaacgatcca acggctaagt ttgccctacc 300

agtggactcc gaacataggg caaaagtgtt canaccacta tcattcgcta aaccacatat 360

gagagccttc cacttaggat ggatctcttt cttcacttgc ttcatctcca ccttcgcatc 420

cgcacctcta ntccccgtca ttcgcgacaa tcncgacctg aacaanaacc ggannntngg 480

gnaatgg 487

<210> 15573
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-056-Q1-E1-D3

<400> 15573

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gtttgggaag ggaggcatct tgttcatggc accgtcgttg ctatcaagga gatcgctatg 120

gctcggctta ataagaagtt gcaagagagt ctcatgtcgg agattatcat cttaaggaag 180

attaatcatc ctaacatcat tcgctttatc gacatgatcg aggctcccgg gaagataaat 240

ttggtgttgg agtactgtaa aggtggtgat ctgtctatgt atattcacaa acatggaagt 300

gttcctgaag ctactgctaa gcattttatg ctgcagttag cggctggctt acaagttctt 360

cgtgacaata atatcattca ccgcgattta aagcctcaga atcctcctct atccacaaga 420

<210> 15574
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-056-Q1-E1-D6

<400> 15574

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aacgaagaag aagattagga aatcatcttg agaaacagga ggtagcagga gaatatgggg 120

gacaaggaag aagtccttga ggctgttttg aaagaaactg tggatctgga gaatgtacct 180

attgaagaag tttttgagag tctgagatgt agcagagaag gtctcactac agaagctgct 240

gatgaaaggc tggctctttt tgggcataac aagctcgaag agaagaagga aagcaaattc 300

ctgaaatttc ttggtttcat gtggaaccct ctttcttggg ttatggaagc tgctgctatc 360

atggctattg ctcttgctaa tggaggaggg aagccacctg attggcaaga ctttgttggt 420

<210> 15575
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-D7

<400> 15575

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cttttctctt tctgcgatcg atctctgaaa actcataact gttgtttaat cgtgaagatg 180

gcatcaaacg gatctttctc tgctcagaga aacgcaaacg ctagaacaac gatgaagaga 240

agaagcgaca atcgcggtta cggtggcgga atcggaggtt atcangagga gacgaaccgt 300

tacgcgccgc cgcaaaaacg tttcagatca caagcgcaac agcaattccc atctggncat 360

aatcctctgt atcatcatca tggtagtaat aataataacg tgtcnagggt ttcttctcaa 420

tcanataaca attgccgggt gttnatgtga ttgcttctaa attcaagttt tgcatnacnt 480

t 481

<210> 15576
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-D8

<400> 15576

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agaatcggag ccggtaaatc tggcggcgga gatccaaaca tattagcgag gatttcaaac 120

tccgagatcg tgtcccaagg aagacgcgca gcaggagatg ccgtcgaagt atcgaagaaa 180

ctgctccgga gcaccggaaa agcagcgtgg atcgctggga caacttttct catacttgtt 240

gttccattga tcatcgagat ggatcgagag gcacaaatca acgaaattga gcttcaacag 300

gccagtctcc tcggagctcc accatctcca atgcaaaggg gattgtaaga atcccttatt 360

anggattagg gtcctctgtt ttacgagttt ttttggttaa aangttgttg gttt 414

<210> 15577
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-D9

<400> 15577

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atctctcatg ataatctcct caacctcttc aaatcccagc aagatcttct caatcacttc 120

ttcaaacatc tcgatctctc tcaaacccta gatttctcac gcattctcct ttccancacc 180

ggtaccgttt tcttcaccgg cgtcggtaaa tccgctttcg tagctaanaa ggtntcacag 240

acgcgcgtnt ccttaagctt ccgttcctct ttcctcncgg gcnctcgatg cggcttcatg 300

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gngccaccgg anggaggctt nngnngtcnt ngtc 394

<210> 15578
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-E10

<400> 15578

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aagagatcca atttaacatt acccacacaa tcatttgatt atttcctcct ctccgtatct 120

gtgtctctct tctcttgatc ttttagtgtt cttgctttgt cgcttcaacg cttaagtttg 180

gatttgtgtg agtctgcata atcatggcga ggaagatgct tgttgatggt gagattgata 240

aggtggcggc tgatgaagcc nacgcgacgc actnngantt tgatttgtnt gtcatcggtg 300

ccgggangtg gcggtgttcg tgctgcnagg gttttcggct aancatggcg ctaaggttgg 360

tanttgtgag cttccattnc agccnnngta ggctctggag ganattggga cggg 414

<210> 15579
<211> 53
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-E11

<400> 15579

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<210> 15580
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-E3

<400> 15580

aacactaagc tcagtagtgc tggtcttgtt tacaagcatt ttggaaagga gatcatagct 60

aaggaactta atgtcgaaca agatcaccct gatgttcttc ggttgttttt agctgtctac 120

aagagcttca tggaggcaat tgatgctgtg gacaatggaa taaaccggta tgatactgat 180

cagcctccac gatatgtgaa caacacacat ctgtctccaa gggttggaag attaaatctg 240

gattggattg accctgacca gtcacaagaa aaggagaatg aagctttcca acgtgcaatg 300

gctctagctg gaaaagagtt cctcgaaagt gttcagttcc atgcaagatc gtggttaccg 360

gctcgatcaa ttgtgatgca ntgtcctgaa gaaaagattc aagacagacc ccaaccgtga 420

g 421

<210> 15581

<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-E6

<400> 15581

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cctgataccg acggcacacc gtcagctcaa ttcgcgtcaa tcttcctccg cctgttatat 120

acacggtggc tcttctgtga acaaatccaa taatctctca ttctcctcat ccacatccgg 180

atttgcgtca ccactagctg tagagaagga attacgctct tcattcgtac agacggctgc 240

tgttcgccat gttacggggt ctcttatcag aggcgaaggt cttagattcg ccatcgtggt 300

agctcgtttc aatgaggttg tgactaagtt gcttttggaa ggagcgattg agactttcaa 360

gaagtattca gtcagagaag aagacattga atttatttgg ggttcccggg cagntttgg 419

<210> 15582
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-E7

<400> 15582

cgcttgcccg tgccggtcca aaaattaacg ggtccacncn cgcgtccgca atatgagcct 60

cgcgtttgct atcgacgacg acactcgtca caccgccggc ttatttcaac aaatcgccgg 120

cgtttttaac ggccagagtt ggggtgagaa gaggaagggc taacgttaan gctgtgagca 180

atagttcgca aggagccgtc gatggaaccg tttacaaagg tgtttacggt ccttgngacc 240

attgaccaag ccgatgtcaa anaggttatt ttgtacagat caggactant aactgctgct 300

gcatcttttg taactgcttc ttctgctgcc tttttaccag gaagactctt ggttaantga 360

aacaancaan caaaaccatg atctgtttta ctttgttgng tgccnantgg tttggggcta 420

tcnctgtttc taatacatag atnngttacg gagantanga gggacccntc cnncnttatg 480

g 481

<210> 15583

<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-C3

<400> 15583

ctgtttacnt tgcccgtgcc gggtccaaaa attaacgggg tccaanccng ccttccgnnc 60

taagatcnag aattcaattt gtaanggttt gggagaatgg cgaagcgaag ctgatnaatc 120

cggcgacacg aagacggatt aaacaaaccg ccgatgctta ttaacccgaa accaatcana 180

ccatggttca cggtgactcg tccgatgcgt tacatgctcc gtgaacagag acttatcttc 240

gttctcgttg gcattgcaat cgctactttg gttttcacaa ttttccctcc gctccacaca 300

aatccaaccc cttactcggg atcctttctc cgggttacgg gaatccgacc cgacgaatcg 360

tacgttccgg gctatacaag ctcagaggga aacctagcct cnaagttacc tgaaccggat 420

cgggagccac aggcggggaa aatcccactg gggattgaaa cgcaaaaggg ctaaagagtt 480

ggttntnaac cgggtgggtt gctnggattc cnttg 515

<210> 15584
<211> 741
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-C9

<400> 15584

ttacgccttc tagttgcnct gacactatag aaaactcaag ctatgcatcc aacgcgttgg 60

gagctctccc atatggtcga cctgcaggcg gccgcgaatt cactagtgat tattggaaat 120

cgtagtacat attgatcatt ttgaactaaa agaaaacttt ttggtggaat agtcacgcta 180

tgtacaatat cttcgctctc aataattaca gacaagtcta tataacatag aaaggcagga 240

tgcccgtgac gtgtacgtgt aggatgaacc aaatcctcat tgaatttgat ttttccatta 300

taaggggctc gtacatgttc ggcagtacct cctgtaaata ctccgccggt atgaaaagtt 360

cttaatgtta gttgagtccc cggttcgccg atcgattgac ccgcgataat acctacagct 420

tcccccaatt caacgaggtc accatgagtg ggactccgac cataacataa tcgacagatc 480

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caagatgtac tccgacaagt aaagggagtt cgaatggata ttgattgtgt tccaaaggtt 540

attaatcgat tgacaagtcc aatcccaaga tcttgatttc gaaaggngac acatcgggaa 600

nctatatata taacgtctgc aaagacacga ncaattaatg tttggataaa aanttcttcg 660

anatcanccg atttttaatt cgagggctca ccgaaaancc ccgganagtg ncaaaatttt 720

ttccnannan ntttccaaaa c 741

<210> 15585
<211> 550
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-D10

<400> 15585

tagtgcanca ttttgancat canantgnaa tantccatct cttttnnctt ttctttttc 60

gtcaaaaaga aatagtccat ctcaaaactt taatatatan gcntgcntga naggcttaag 120

ggtgtgtgtt ctttgttgcc aaacaaaaag ttctagttcc aaatatagcg gattcantgg 180

gcnccgaaca aatgataaga gatctattac atacaagttt aggttttaga acagtatcca 240

aaatagtcat aggttattgt aaaacatatg aaactganaa ttanttctgt tttaacttaa 300

aagaaacctt tgggatttaa aagtagagat aagtaacttt gtantagcgt attaacagct 360

ttaggttacc tgaaaccttt aaatttttgt caaaanagat aagtaaattt gtagtaatca 420

atcccaatta tcaataatgt acgacgattc caataagcac taagngnaat ccccggccgc 480

ctggnaaggg ccaaccataa ggggaaaacc ccccaaagcn nttgggangc acnancctga 540

gttaatcnaa 550

<210> 15586
<211> 748
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-D11

<400> 15586

aaanttgcca ggcnctgtaa tacgacnaac tatagggcga nttgggcccg acgtcgcatg 60

ctcccggccg ccatggcggc cgcgggaatt cgattattgg aaatcgtagt acatattgga 120

gaataatgac ctacttgaaa aattattgca tcattttgat catcaaattg aaatagtcca 180

tctctttttt cttttctttt ttcgtctaaa agaaatagtc catctcaaaa ctttaatata 240

taagcttgct tgataggctt aagggtgtgt gttctttgtt gccaaacaaa aagttctagt 300

tccaaatata gcggattcat tgggctccga acaaatgaga agagatctat tacatacaag 360

tttaggtttt agaaagtatc taaaatagtc atangttatt gtataacata tgaaactgat 420

aattatttct gttttaactt aaaagaaacc tttgaattta aaagtagaag ataagtaact 480

ttgtagtaac cgtattaaca gctttaggtt anctgaaacc nttaaaattt tgtaaaaaag 540

ataaagtnaa nttggtagta aancantccc aatttatcaa taatgttcca cgaatttcaa 600

ataaancact aagtggaant tccccgggcc nctggcaagg tcnanccaaa atngggaaaa 660

acctcccaaa gncgttgggt gcaanaacct tgaggttaat ccaaaaatgg tcanccaaaa 720

taaccttggc ggtaatcaag gggccana 748

<210> 15587
<211> 191
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-D2

<400> 15587

gcntattgtt angtttgggg tcacaaaaag atcnccttg gtttcggtnt tacctcaatg 60

gttctggcat cagaatgcct gcaacgtttt tgaacaanga catggggttt ctatcgtctc 120

aaaaatnagg ttctgatgaa tgagaaagta gccaactaan ggacttgtac tttnaatcta 180

aagtcatccn g 191

<210> 15588
<211> 612
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-D7

<400> 15588

ggaaacatga tgaccaactc aagttggttg ttcgtgtaat aaataaaaat tgaatctttc 60

gacnaanaca aagtttanct tcttcntcnt cntatgtgac aagaacganc aatcctccat 120

tgagccaaat ttcgaaaatg tcaacgaatc ttcttcgtct tattctccta gtcatcactt 180

tatctatcac ttcatctctg tcaactccgt cnccggntga ttctcctcct tatctatggc 240

cgttaccggc ggagttttcg ttcggaaacg aaacgctctc ggtggntccc accgtgactc 300

taatcgtagc tggaaatggc ggtggatctc tgattattaa gagctgcgtt tgataagggt 360

anatgggtat aatctttaaa cacgcttccn ggtagaggtt ctctattggt cgaggattan 420

gatttctgaa aaatggttgg aggtatgata tcacntcttt gaangatcgg ttggtcaatt 480

cagattnccg aaggagnctt caaantgggg tgttggnatg gagaagttat acattgatng 540

gtgtcncang aagcancgaa gnnancgatt gttgggggaa gncaacgatt ngangngaan 600

tacagtttat gg 612

<210> 15589
<211> 350
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-D9

<400> 15589

atncaatccc aacggggaat anaagcgagt cgcttccggc tggcttaana gtccnaatct 60

tttancttan gtaatgggtc ggccttccta nacgcacgcg cccgccggga atgccacctt 120

gttttacttt tggacgaaag ccaagccgga tacatacaat ataccgatat gcgaaggaaa 180

gacccccatt tantgaatat cgccngggca agtttgatca angattgggt aagtacttta 240

ntaactcgaa cgaagggatn agtgggaaca aaanggtcgg aatggnttta gggcaaccat 300

atgnatcgaa ttcccgcggc ggcaatgggn ggcgggaaca atccaaantt 350

<210> 15590
<211> 647
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-E11

<400> 15590

gtgaaanacg ccagtgcntt ntaatacgac ncactatagg gcgaattggg cccgacgtcg 60

catgctcccg gccgccatgg cggccgcggg aattcgattc atttctctat attgcaaggg 120

aaacgttgta ttctttccgg tgatccatgc caattancac caagttgttc tatcacgtaa 180

agctttagaa ggtggacttg gtgtatcctt actggaaaga gctgcatctt tacatgatgg 240

agttcttgcg acaaaattaa caactcagta tcgtatgaac gatgtaatcg ctggttgggc 300

atcaaaggag atgtatgggt ggatggttga aatctgctcc aagtgtggcc tctcatctgc 360

ttancgattc tccttttgtg aaaggtactt cgtctgactg tttctgctgt ttgattggtg 420

gtggtattta natgatgggn tacaatggca tgcaatcaca cantctgttt accttcaaaa 480

gcttttantt tggttaaaaa atttnccaat ttagcattat ccggggtttc tctttgnaac 540

tccgnttgng ntttgtcntt cannganacn naacnnttac cttgtnggnt naaatatcca 600

cgggagtaca ngctttttta angggccnta attngaaaaa gtganng 647

<210> 15591
<211> 619
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-E12

<400> 15591

gnacgccttt cattggnccg anacnagnga aaactcaagc taggcatcca acgcgttggg 60

agctctccca tatggtcgac ctgcaggcgg ccgcgaattc actantgatt ttagcttgag 120

cttggatcag attgtcgttt cccgccttca gtttaaactt attcgnaata tcaggatata 180

ttgtggtgta aacaaattga cgcttagaca acttaataac acattgcgga cgtttttaat 240

gtactgaatt aacgccgaat tgaattcgga tcgatcctac gtaaggatat taaagtatgt 300

attcatcatt aatataatca ngttgtattc caatatgtac tacgatttcc aatgtcttta 360

ntgtcgccgt angtaatcgg gggtcacaaa ataatccccg gtgactttct tntnaatcca 420

ggagtgaaat aanatgttag tatnagtttt gccgatttgg tccgttatag gnattgaaan 480

tgtgcatgag ctcggtcncc aacactccca tttcanaacn tttacangnt anttgaaaaa 540

ttaaaanatt tangngnatt ncaagtttaa ancacggtat acttgttaaa acaatggata 600

tcncgaaaaa ngaaaccna 619

<210> 15592
<211> 75
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-E7

<400> 15592

aaaacgtcca nggaaatgta tatcggnagc actgggatct cgtggtttgc atcatttggt 60

ttatgangat anttg 75

<210> 15593
<211> 668
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-E9

<400> 15593

catatggtcg acctgcaggc ggccgcgaat tcactagtga ttttagcttg agcttggatc 60

agattgtcgt ttcccgcctt cagtttaaac ttattcgtaa tatcaggata tattgtggtg 120

taaacaaatt gacgcttaga caacttaata acacattgcg gacgttttta atgtactgaa 180

ttaacgccga attgaattcg gatcgatcct acgtaaggat attaaagtat gtattcatca 240

ttaatataat cagtgtattc caatatgtac tacgatttcc aatgtcttta ttgtcgccgt 300

atgtaatcgg cgtcacaaaa taatccccgg tgactttctt ttaatccagg atgaaataat 360

atgttattat aatttttgcg atttgggtcc gttataggaa ttgaagtgtg cttgagctcg 420

gtcgccacca ctcccatttc ataattttac atgtatttga aaaataaaaa tttatggtat 480

tcaatttaaa cacgtanact tgtaaagaat gatatctcga aaaagaatca agtaatcgaa 540

ttccgcggcc gcaatggcgg ccgggaacat gcnaagtcgg gccaanttcc ccnaaaggga 600

ntcgaatana antcacnggc cgtctttana agtcnnannn nnnnnnnnnn nnnnnaaagg 660

nnnnngnt 668

<210> 15594
<211> 617
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-F10

<400> 15594

gtanaannntt gccantgccc ttgtaatacg acnaactata gggcgaattg ggcccgacgt 60

cgcatgctcc cggccgccat ggcggccgcg ggaattcgat tcatttctct atattgcaag 120

gaagatgtta ggaggaaagt tcatggagtg attgataagt ttgctgagcg tggacttcgc 180

tctttggctg ttgcaagaca ggtcttttcg gttactatat atcgtgaagt ttatgtgtcc 240

ttgtttcttt attgtgattc atatcgattt gaatggtgca ggaagttctc gaagaagaag 300

aaagatgctc ctggtggccc atggcaactt gtaggtcttt tacctctttt tgatcctccg 360

aggcatgaca gtgccgagac aatcaggagg gctttaaacc tcggtgttaa tgttaagatg 420

ataaccggta agaatcataa gttagtcctt gtctctctgc acttcatatt gcttgaaact 480

aaattttctc ttctgactga aaccanggga ccaacttgca atatagaaga aatgaatcac 540

taatgaattc gcggncgcct gcaaggtcga ncatatggga aaactcccaa cgngttngga 600

tgcatagctt gagtaat 617

<210> 15595
<211> 738
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-C7

<400> 15595

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atctccagca aagacgatgc cgtcgatgtc accttcttca gtttccacgg agaaatctcc 120

acctccgtca gatacttcaa tggctatagt agctttcgat aactccacta ctcacttctc 180

ttcttctcca tcgccgccac attctcttga tcattccagt gaatcggaga aggaagatgc 240

gaaaagtaaa cccgagagta gaagaaacaa gaatcctgga aaggttgagg aaactccatc 300

tccgattgtg gtggttcata atcacaatcg ctctgtgaaa gaagtgggtt ccgacgagaa 360

agagtgcgag agttggttct gggagaagta gtggccaacg atctggagct gtttcggcta 420

ttttgaagaa ggtctaggan agaagaggtg gtaaagtttt cagctttagg gtttcggntg 480

agtgaggttg tgttggcttt ganatccntc tcaattatgg gctgctgata aaaactaaag 540

ggttggagtt ggtgattctt tcgatcgtta cnaagggagg tacagggttt tggcctggcc 600

ggtgaaacgt ggggtgcttt tggagaantc naagttttca aagcaangtt gacttngcgt 660

accaancttg tcaanggaga aacaatttga ttaagcnanc aaccnttcga ccncnngntt 720

tgaggtcann aagnaatt 738

<210> 15596
<211> 693
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-A11

<400> 15596

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tacaaattta cttatctttt ttacaaaaat ttaaaggttt ctggtaactt aaagctgata 120

atacgctact acaaagttac ttatctctac ttttaaattc aaaggtttct tttaagttaa 180

aacagaaata attatcagtt tcatatgtta tacaataacc tatgactatt ttagatactt 240

tctaaaacct aaacttgtat gtaatagatc tcttctcatt tgttcggagc ccaatgaatc 300

cgctatattt ggaactaaga actttttgtt tgggcaacaa agaacacaca cccttaagcc 360

tatcaagcaa gcttatatat taaagttttg agaaggacta attcctttag acgaaaaaag 420

aaaagaaaaa agagatgggc cnanttcaaa tttggatgga tcaaaaatgg atgcaataaa 480

tttttcaagt aaggtcanta atccccaata angtnccaac gaanttccaa taaancccca 540

antgaaattc nccgggcccc cggcaaggtc naaccaaatn gggaaaaact cccaaagccn 600

ttgggntgca aaaccttgga gntattccaa aagnggtccc ccaaaaaaac cttggngtaa 660

accaaggggc aaaannnnnn nnnnnnnnnn nna 693

<210> 15597
<211> 470
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-A12

<400> 15597

ttacacnccc ctattaaaca aataaatatt aaattattat gacttggttt agttattaga 60

ttaaataaca aattattaag ggaatataat cttgattgat taatctaaat tgttgtagtt 120

tgagatcgtt gttgagccgg atccattgtt gctagtccta tttcttaaaa tccaaccgag 180

ttgccaaggt gagggtagga tctgtggaaa catagtatca cctttacttt tgtatttctg 240

aatttcattt gtataagatt agacattggg tgctgattgt taaaatgtta ggattatata 300

ttaaatattg ttgattcagt aatcaaacaa tgaatttgta ctaagggatt tagacaaatt 360

cactcctctc ttagctcaca aataatcaaa ggaaaagaac tangttgctt aaacaaaaag 420

ctagggtttg ctctgtaata gtagtctctt gtattgagtt aaattgggaa 470

<210> 15598
<211> 866
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-A2

<400> 15598

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tttggaaaga ctaagctttt ttttctctcg ggtttcactt tttaaaggtc gtgaaaattt 120

gggaatcact gatcaatttt gttaatatga tttcctgatt tagggtttct ctgcatgcct 180

ctagaatcag caagtgtaaa gcaattacca tggtgactcc gaagcagatc gatttctctt 240

cctgtggtgg tggtgataac tccgacgata ccctctccca tcgagaatct ccacggaatc 300

cttcctcaaa agcgtgctgc tgcttccttc gcaacagaag caggcgaaag agactatnaa 360

gaaagaaaan agaangaaag aaagaaagaa ngaaattttg ggtccgcccg tttgattcgt 420

cccggatttg ggaaccaaag gaaagaatga agctnctcca atccttaaaa ggggattaat 480

ttgaattaca gaagctaaag acaaggattc aaatccccaa aaatttgaat tggggatgcc 540

gttttacaag tttccctccg gnaagttcct anccgttggc gaaaantcct ccaaaggaan 600

caaggttttt gaagttaaga tnaagggaat tttgnaaaag ggggaatttc aaggttcaat 660

tggggaaaaa aaaatccant tggaanggga aaagantccg aaantttacc aangggcnaa 720

ntgaattnct gaaaaccctt ttgggatttc cttccaanga atttggggga naaagggnga 780

atttngggaa ggngaaaggg gangggaaa ggggaaatgg naaaggnccc ccattttaaa 840

cgggaatggg cccactnaaa atgggg 866

<210> 15599
<211> 584
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-A3

<400> 15599

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atgttgaaac ttgatccatg taatgcttgc tgttgattgt gattttactt ggtttgaatc 120

aggtgcctgg attccgtcct aaaacaagag ttccagagaa tattattgtt ggtttcgttg 180

ggaggcaata tgttctgaga gcaactgttg aatctatctt aaagagaaca cttcctcacg 240

ccatggaatc agtnactgga anggctttaa aagactcgat acagattgta agcagttttc 300

cagatatgga naaggcttat tctaagctca agactcttag ttatgacgtg gttgttgatg 360

ttgtacctga acntaaaatg ggaatcctga cgatgggtat aaaaatatga aggtcnttgt 420

agaantangc ganngagata gatgcannaa aagcntgtga caagacaact naggacaggn 480

nntacaagtc tcttggcngc gttgnagatt gtaaccggac ccnanggcna caggtgggag 540

atctagcnct tggntgaaaa ttcctggcta caactntnng ntng 584

<210> 15600
<211> 734
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-A5

<400> 15600

agagggtttt ccattctctg tggccgtcac cgtcgccgtg aaatagctct cctctctcta 60

tctccgatta tataactgca agctcaaagg aattgtttgt tgttaaaatg tttcttacgc 120

gatttgtcgg gaggagattc ttggcggctg catcggcgcg atcggagtcc actacagcag 180

cagcagctgc ctcgacgatt cggacgccaa caaatccact cgaagagttc tttgagttcg 240

acagaagcca agacgaagat aaacctgttg tctatggtcg aggttggaaa gcttcagagc 300

tgcgtctcaa gtcatgggat gatcttcaga agctgtggta cgttcttctc aaaggagaaa 360

aacatgttga tgactcaagc gtcagatgct tcaggctcag aacatgcagt ttcctaaccc 420

tgaacgcatt ccaaaggtga ggagatcaat gtgccgcatt aagcatgtgc tgacccgana 480

gaacgattga agaacagatt ctagaagatt aagcgagatg annagaaagg naaatgggat 540

gtngatccca atgggctcct ggttttggna aacctagcaa gttagccncg agtccatccg 600

caganggggtt gagtttttcc ggagtaagga aattangcat agccnttcan gnctttggga 660

actgggncna ntggattgnt accggtntta ntnttccggn nntnncaaaa angtttgggt 720

gggnanccnn cnca 734

<210> 15601
<211> 74
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-A9

<400> 15601

gggtcccacn ctgggttttg ccccaagcaa ggcgnaaaat ccctgttttg atgggtggtt 60

tccgaaaatn cggg 74

<210> 15602
<211> 87
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-B10

<400> 15602

ttcgngtaac catactactt ggtttgttgt aacatctcga tcctcaattt gcntcgagaa 60

ncccgaatag atttccagct gacnact 87

<210> 15603
<211> 606
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-B11

<400> 15603

cggccgcggg aattcgatta ttggaaatcg tagtacatat tgataaatgg gaatgattac 60

tacaaattta cttatctttt ttacaaaaat ttaaaggttt ctggtaactt agagctgata 120

acacgctact acaaagttac ttatctctac ttttaaattc aaaggtttct tttaagttaa 180

aacagaaata attatcagtt tcatatgtta tacaataacc tatgactatt ttagatactt 240

tctaaaacct aaacttgtat gtaatagatc tcttctcatt tgttcggagc ccaatgaatc 300

cgctatattt ggaactagaa ctttttgttt gggcaacaaa gaacacacac ccttaagcct 360

atcaagcaag cttatatatt aaagttttga gatggactat ttcttttaga cgaaaaaaga 420

aaagaaaaaa gagatggact atttcaattt gatgatcaaa atgatgcaat aatttttcaa 480

gtanggcatt aatctccaat aagtactacg aaattccaat aatcactagt ggaantcncc 540

gggccgccgc aaggtcnaac catatgggga aaaactncca aaggcgtttg gntgcaanaa 600

ccttga 606

<210> 15604
<211> 174
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-B12

<400> 15604

ttaatgttag nttgagtccc cggttcgccg atcgaattga ccccgcnata ataccnacaa 60

gcttcccccа attcaacgaa ggtcaccatg aggtggggac tcccgaccat aacataatnc 120

gacagatcca aggntgtant ccgacaagta aagggagttc cgaaatggan attg 174

<210> 15605
<211> 742
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-B4

<400> 15605

gtgcagttcc catcgaattt gatattgtaa aagatgagaa gtcaccagtt ttggatagga 60

cggaggaaga tgaactgaaa actgcagaga ccagtgacaa agccgaagcc cttaaatgtg 120

cagatgtgaa ggtaagctct gagaatggta atgttggttc tgataacaca aagcaaagtg 180

aaaaacgagc attgctgcct gcaaatattg acaaacaaga tgatgggctt acccttagcg 240

gacggaaaat ccccagctac atggccccga ctgcatctgc aaaggccaga gtcaaaggag 300

aagcctctcc gaggtttgcc caagcgaaga ctgagataaa tggggcatta cggcgccatt 360

cactgccttc tccaagccaa tggtaagctg agtactacta ctatgtctcc aagggctcaa 420

aaacttctct tagcctctgc caaaggatct atgaacgggg acaaatcttt tacttcttcc 480

aagggacata actcacaagt caaccaagaa ncgactggga aacggtgaaa ggctcaggca 540

aaagaaaatt tcatcnactc atcntacatg ggccgaaatc aattacctaa gtggtggttc 600

ctcctgcatt ttgggtttgg gntttgggtg aantttagaa agtgtttggg ccattgttca 660

aggtccaagt ncaattacct caattttcaa aaccttgcct cnaantttac cccgaanang 720

tttgaagaca ccaaaattnt tg 742

<210> 15606
<211> 72
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-B9

<400> 15606

antgacccct taataatacn gacaagcttc ccccatttca acgaagtcac catgagtggg 60

atnccgaaca at 72

<210> 15607
<211> 108
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-C10

<400> 15607

tcacgaatga antcaccgga ccgcctgcaa ggtttaacaa taangggaag aacctcccca 60

aagnggtttg gatgcaaaac cttgagtaat tccaaaaaat ggtnaccc 108

<210> 15608
<211> 632
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-C11

<400> 15608

nnnnnnnnnn nnttgtaaaa ntctgccagg gactgtaata cgacanacta tagggcgant 60

tgggcccgac gtcgcatgct cccggccgcc atggcggccg cgggaattcg attattggga 120

aatcgtagta catattgata aatgggaatg attactacaa atttacttat ctttttaca 180

aaaatttaaa ggtttctggt aacctaaagc tgataatacg ctactacaaa gttacttatc 240

tctactttta aattcaaagg tttcttttaa gttaaaacag aaataattat cagtttcata 300

tgttatacaa taacctatga ctattttaag atactttcta aaacctaaac ttgtatgtaa 360

tagatctctt ctcatttgtt ccggagccca atgaatccgc tatatttgga actaagaact 420

ttttgtttgg caacaaagaa cacacanccc ttaagcctat caagcaagct tatatattaa 480

agttttgaga tgggccattt cctttagacg aaaaaangaa aagaaaaaaa gagatgggac 540

caattcaatt tgangganca aaaatggntg caataatttt tcaagttngg gtcantantc 600

cccaaataan gtncnacnan ttccaaanaa nc 632

<210> 15609
<211> 802
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-C3

<400> 15609

tngccttgcc ctagcntccg ggaaatccca ggtcgaccca cgcgtccggt tggcctccga 60

cgacggctca agcctatctt cgtcgccggc ttctccgatg gttaccaatc gcgtagacgt 120

cttctggcac gaaggaatgc tccgacacga cgccgtagaa ggcgtcttcg acactggata 180

cgaccctgga ttcctcgacg tattggagaa gcacccggag aacgccgatc gcgtcaggaa 240

catgctttcg attctccgac gcggtcccat cgctcctcat gtcaattggt ttaccggtct 300

tccagcaatc gtttcggagc ttctaatgtt tcacacttca gagtacattg agaagctagt 360

ggaggcaaga taaatcagga gaaaggtgtg aaattgccgc angtactttc atgagcccag 420

gctcgtggga agctgctctt cttgcagctg gaacaactct ttcagcaatg caacatattc 480

ttgattgcca tgggaaaatt gcatatgctc tggtacgccc accangtcac cactcacang 540

cctactcaag ctgatggggt attgcttcct caancaacgg ctgctccttg ctgtcaagcc 600

tggnatttga aattcgggtt cctgttcccc ganntngcgg gttatttgac aatccgatgt 660

tacatttatg ggaaatnggc acanntgaaa gggttttatn caacnngana aaggtnctaa 720

cngggtcant ccnaatnaaa ccahggntta ntggggaatn gtcccaaccc ccnnananag 780

ggtcnattgg tgnaantttg gt 802

<210> 15610
<211> 52
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-C6

<400> 15610

aactacaatg tcaccgtgga gcgtgaccga agaagttgtt ggnnacctac aa 52

<210> 15611
<211> 73
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-A10

<400> 15611

ngggagcaaa ctctnaatct gccgtcatcc acntcaaagg ttcgaatcct tcccccatca. 60

gcaagggatc ggg 73

<210> 15612
<211> 69
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-E5

<400> 15612

agttttgagc tcntgtttct tgaattgtta tgtaaagtct gcnatgcata atttagttac 60

nttagtctc 69

<210> 15613
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-E8

<400> 15613

gacataatat aatatcatca gagaaaaaca aaatggataa ttcaaatttc gaaacacttc 60

ctgaagatct acaaaaggag attttgttat ggttgtctcc aaaatccttg gtgaaattca 120

ccctcgtctc aaagaaatgt gcatctatta tccgtgggga agaattcaaa gctctttaca 180

tgcgccgatc aatgacaagg cctcgtgtgt tgatcgttgc caatgaaagc acatgtgaga 240

actcattggg tgtttcacac tttgtatcaa ggaggaggaa ccatngttgt cancttgtca 300

gcaacancct atgntntcac caacnatgcn ccacngtttt agtgcttccc aaccactcct 360

aggtttgntt ccgtcttcga aatggtagct gngngttgtc attnncaatt ccgggtncaa 420

anatnnnccc nctttaccgg ggcattngaa gcnccatg 458

<210> 15614
<211> 51
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-F2

<400> 15614

tggataactt ttatcaanta tgaggggtat tctggacant tctctggttc a 51

<210> 15615
<211> 537
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-F3

<400> 15615

nnnnnnnnnn ggaactggtt tgctttgggc ccngcccggt ccgggaaatc aagggtcgac 60

ccacncgtcc gcgaaaatcg nctcctcttc ttctcctcct cgacctgnga aatcaatctt 120

tcgccgccga gttcttctct ctgcggcgga gaatcaatta gcaatctcca gaattangtg 180

agggaaaaga ggatggcttt gatcggaaaa tccganagat tctctgctga ttttgtgatg 240

ggtggtgctg cagccattgt tgccaaatct gcagctgctc caatcganag ggtgaagctt 300

ttactgcaga atcaagggga gatgataaag actggacatc tcataagacc ttacactggg 360

tttgggtaat tgctttacca gaatctatag agaagaangt gttttgtcct tttggagagg 420

gaaaccaagc caantgtcat acgatatttc cctacacagg cttccaaact ttgcatttaa 480

anggttactt caaggaaccc tccttggatg tttcaaanga gaaaagatgg ntccttg 537

<210> 15616
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-F4

<400> 15616

nnnnnnngaa ntggtntgct tggccntgcc gtccggaaat caagggtcga cccacgcgtc 60

cgcccangcg tccgcccacg cgtccgagcg ttttaagctc tcactagcaa gcaagtacta 120

gcaacaatgg cgtcaagcac tgcgactatg ctcaaagcct caccggtgaa atctgattgg 180

gttaagggac agagtcttct cctccgtcaa ccttcctctg tctcagctat tcgcagccac 240

gtggcacctt ccgctctcac cgtccgagcc gcttctgctt acgccgatga gctcgtcaaa 300

accgctaaaa caatcgcgtc tccgggacac ggaattatgg cgatggatga ttccaangcn 360

actttggnaa accnttttgg ntcaattggg ctaaaanaac acgggggct aaaccgttaa 420

agctttaagg gaactttncc tttggtnntc ggcncccaa 459

<210> 15617
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-F5

<400> 15617

agtgaaacag agtaacagag acgcgtcgtc ttcaacgatg ctctcaacgg tgacggcgac 60

ggcggtttct cgaccgattc tgaaggtgga atgtacaatc aaaangacgt ttaangtgac 120

ggcggagaag tttccgacgt ttctgccgac cgatgtcgag aaaattaaag acacgtttgc 180

tctaaagctc gccgccagaa tagagaggct tcctgtatct gtgagcttca gggaagatag 240

tattatgagc agttgcgtga caccgctgat gcggaacgag acaactcctg ttgtgcttct 300

tcacggattt gatagttctt gtttacagtg ganatacact tatccgttgc ttgaagaagc 360

cggnttagaa acatgggcat ttgatatcct tggttggggt ttttctgatt tagacaaact 420

tccaccttgt gatgtagcgt cnaaaaaaa 449

<210> 15618
<211> 694
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-G10

<400> 15618

ggataactga aatacctccc tttctagctt taaatgtcac ttaaatagcc ttcgcttgta 60

aaataaaagt ttgaatattt aaaccagaaa gctaagtaga gaggttgtga tgggtctgca 120

aacatggata tgcttcacac tattctcaat tttcttcttc ctcctcttac tatcagtttt 180

ctcgtcctat tttacccatt ttatcttttt accaaactta tgagttgtct taagcacctt 240

cactttgaaa acgttactgg gaaagtagtt ctaatcaccg gagcttcctc cggcatcgga 300

gaggttagct agtattggat gttatgttta atttgtttgt tttggttggt cttatctata 360

attttttagca acaaataaaa acaatgatgc agaaagtttt ttttaaaaat tatgaatgat 420

atgtaattgg tacataatca cgtttggaaa acgaaaactt gaattcaaag tcaaatattg 480

ttttggacgt tctatcatca tacatatgta cgaccaattg atcctttata tttgacgatt 540

gctcgagtag actatcatcc gtgaacagta aaattgttat ttggaaatat attcatttaa 600

aagaacttaa gtttaaagat naacataaat tgaanatgtt cttgtttttg ttgggtcgga 660

taaaaaacag tggcatacga ntacgcaaga aagg 694

<210> 15619
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-G12

<400> 15619

agacggngaa nangtacatt acgaacgaan atcntaanan acacaacaaa tctggagatc 60

tatggatcgc gattcanggc aaggtctaca acgtctccga ttggattaan actcatcccg 120

gaggcgacac ggtgattctc aatcncgttg gtcaagacgt caccgatgct ttcatcgcat 180

ttcatcncgg aaccgcttgg caccatctcg accatctctt caccggttac cacatcagat 240

atttccaagt ctccgaagtc tcacgcnatt accgtcgtat ggctgccgag tttcgttnac 300

tcggtctcct cgaaaacaaa ggtcacgtta ctctccacac tccancctc ntcnccgnca 360

tgtncctccg gagttctcta acngtgtttt gggcttgtac ctcngtcttc gctcaacaaa 420

tcgccgccgc gcttctcggt cncctctgga tcaga 455

<210> 15620
<211> 145
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-G2

<400> 15620

gcnatcgntt cggtgccggc ttccgcatct ccgacngctc tatntccacc gcccgccgca 60

tcgtatgcca nacgaccacg cggctgacat tacaaaaaan aagatcaacg aagctctgag 120

aatcctgacg atacgttcct taana 145

<210> 15621
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-G3

<400> 15621

gttggcccgc cngtccggan atcaagggtc gacccacncg tccggcttac acagatgggc 60

atctaatcaa cactctcgtc ttcctcgaat cacttctatt tctgaggctg accaatctcg 120

acccattaac caagtcgtcg ccttttcggt tcctatatcc agaagagacg cgagtattat 180

tcttctcagc tcgattccat tgacaagctt cttcgttcta acaccgagct cttccgaagc 240

tagagagaga cgtagcagaa aagttatccc tctcgaggaa tattccactg gccctgaagg 300

gttgaaattc tatgacattg aggaaggcaa aggtccagta gcaacagagg gatcaactgc 360

tcaggtgcat tttgattgcc gttacagaac atcactgcaa tttctacccg agaatccaag 420

ccttttagct ggaaaccgtn ggtattgctc agcctttacg aatttaangg tgggatctac 480

gccaaggaaa gggaaaggaa ancttgaat 509

<210> 15622
<211> 212
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-G4

<400> 15622

acatcgtncc gatnggtacg cctcncaatt ccccgggttt atgtcctgtt tccgggnttt 60

aagctccngg tggatggccc anagaantgg gagaaatggg ccgaagatat tccctacgag 120

acgcaattcc taatggtcna agagccaacg attggtccca ccttgaattc tgacggagcc 180

taacggcgtc nagtgtaacc aagaaagttt ac 212

<210> 15623
<211> 56
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-G5

<400> 15623

atgtgttacc tcctttctcc aatactgctt ggggacagna tgcgantttg gcgttc 56

<210> 15624
<211> 111
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-G8

<400> 15624

gncctttcc cctgnagtca aaacggccct ctggcaaaaa cgaaccttgg ggtaattggg 60

gnaccaagct ccgcctgggg gctcaacaaa tgttggtngc aaaccntcaa g 111

<210> 15625
<211> 855
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-H10

<400> 15625

ggnnnnnnnn ggngggnntg ttcctggttg cgtcggccct accggannag gnaatcccgg 60

cctcgaccca cgcgtccgct ctcacttgca aaaccaaatc ccttatcgac ttccaccgaa 120

agatcacttc ttaacctaca caaggtgttt gttatgaaga tcagataaat aaaaggtcat 180

ttgaggataa tggttgatgt tcaaagattc ttacttgctt atttgtgatg gacaatgtaa 240

gaggttcaat aatgttgcag ccactgccag agatagctga gagtatcgat gatgctatct 300

gccatgaact ctccatgtgg cctgatgatg ctaaagattt gttattgata gtggaggcaa 360

tatcaagggg agacttgaag ttggtacttg ttgcttgtgc aaaagctgtt tctgagaata 420

atcttctaat ggcacgatgg tgtatgggtg agttgcgcgg tatggtttcg atttctggtg 480

agccaatcca gagattggga gcttatatgt tagaagggct tgttgctagg cttgctgctt 540

ctggtaagtt cgatatataa gtctctccaa gtccaganga tccagagagt tatgaaattt 600

ttancctaag gtgtangttt ctgccatgaa ggtttgtccc ataatttcca aggttttggg 660

gttacaatgt tcaacccnaa attggttgcc naatttgcca nnaaanccaa ttgnaanggg 720

nttgaaanna anaagggntt cccccatttt atttggncct ttnccaaaat ttggggccca 780

anggggaacc cccanttggg nttnnccacc tttanccccа aggccntttt tgccancctt 840

anggccctgg gttgg 855

<210> 15626
<211> 115
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-H2

<400> 15626

ctgatcatcn cgagaacatc aangtccanc acgtctctga cggtgttccg gacggaaaca 60

tgctcgggaa tccantggag atgggtcgaa ctgtttctcg aagcggntcc acgta 115

<210> 15627
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-H5

<400> 15627

agattgctgc aaaccttgtc aagaacggac ctcttgctgt agccatcaac gctggctata 60

tgcaagactt acattggagg agtctcatgc ccttacatat gcaccaggag gctcaaccac 120

ggtgtcttat tggttggcta tggagcggca ggttacgctc cggctangtt caaggagaag 180

ccttactgga tcatcaagaa ctcgtgggga gagacttggg gtgaaaatgg tttctacaaa 240

atctgcaaag gccgtaacat ttgtggtgtt gacagtatgg tctccactgt tgcagccacc 300

gtctcaacca ccgcccatta agcatctcgt caatangttt taattacctt ggtgatttgt 360

atgagcnnnc tctctttgcg ctgctgactc tcncnantta acctcggcnt cctgccntgt 420

aaataaaaat gcgttctaan tgagcaaaac cgttcaa 457

<210> 15628
<211> 681
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-E11

<400> 15628

ttacaaaatc atgtcatctt ctcccaagct gtttcacgcg cgtccatcat tcttcacgcg 60

ccgatcgacg cctttgatcg tcttcacctc tctcgctatc ggtctaaccg gtttcctttt 120

cggattatca acgatccttt tccctggtct ccggttatct ggccggtcct gcctcaccaa 180

cttgccaccg aagactgtta aaatcgtctg ggacgtcgct ggtaatagta tcgttaatgg 240

cgaagtcaag aggcacaaag tgatgggatt cgtcggaatc cagaccggat tcagatctgc 300

tggccggaga cgagctctca ggaacacatg gatgccgtcc gattccgaag gccttcgaag 360

attggaagaa tcaacaggat tagccattag atttattata ggcaaaacca aagacgangc 420

caaaatggtt gaagctgaga agcgaagttg caatgtacga tgactttata ctgctcgata 480

tcnangagga gtacagtaaa gctcccctac aaaactttgg ctttctcaaa gctgcatatg 540

cactatatga tcagaantcc atgtcaaagc tgatgatgat atatacttga ggcaaattct 600

tgtctttacn gttggctaaa gancggggtc atcgcaagac ataccttggg tgcatgaaaa 660

aaagtccngg ttttaaaaan t 681

<210> 15629
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-H7

<400> 15629

ntctctanat taatggtgct tcctctctaa accattcctc tctctttctc tctaccacca 60

tttattctcn ccttaancac tgactcgact cgggtcgtga ccagtttttt cnatctgagc 120

tatggcaacg ggacagcttt tttctcgtan cacacaagct ttgttcnaca nctataaagc 180

agcttcctgt tcaacgaatg ctcgatttcg actttctctg tggacgtgaa acgccttctg 240

ttgctggaat cataaatcct ggttctgaag gttttcaaaa gctctttttc gggcanagan 300

gaaatcgcta tccctgttca tgccgccant gaggcagctt gtgctgcgca tccaagagcg 360

gntgtantca tcancnttgc atcttttagg agtgctgcng cttcatccaa gggctgcntt 420

gaagcagccg actaatnaaa agttgtggca nttag 455

<210> 15630
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-A3

<400> 15630

tnttgtctct ctccctttcc tctttcgtct cctacgtgtt taaaccttgc aaaaaatcaa 60

gtctttttg gtgtttaaat cacccatttt tgtcaatctg tttttcgagc aaaacaccag 120

gaggaaacca aaaagctaga ggctttgtgg agtgagaaga agagtctcag tgaaaacaga 180

aagcagcatt tgagattcca ctgttaatct ttgaattaaa aatgagtgca gcagctacaa 240

tgcctatgcc ccgagaagcg tctaattacg atgagatctc tatgcaacag agcatgctct 300

tctctgatag tctcaaggat ctgaagaatc ctgagaacac agttgtattc agcagctgag 360

tatttcgaac tatcctacac aaacgatgaa caaaaacaga tagtcgtggg agacactgaa 420

agantatgca ataaaagntc ctgggtgaa 449

<210> 15631
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-A4

<400> 15631

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aaaatgagag acgggatgtg cttcgtctgg ccatggagtt gggagctgat tatattgatg 120

ttgaacttca ggtggcaagt gagttcatca aatctattga cggaaagaag cctggaaagt 180

tcaaagtaat tgtttcatcg cacaactatc agaatacccc ttctgttgag gaccttgatg 240

gccttgttgc aagaatacaa cagactggag ccgacattgt taagattgct actactgctg 300

tggacattgc agatgttgct cgcatgttcc atataacctc aaaagctcaa gttcccacaa 360

ttgggacttg ttatgggtga aaaaagtttg atgtcccgga tccttgttcc aaaanttggt 420

gggtaatttg accttttng 438

<210> 15632
<211> 145
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-053-Q1-E1-A6

<400> 15632

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atgtataatc atcatacaaa gtacaaacat tgtaaatcaa aatccagagg aacttttagc 120

actaaaaaaa aaaaaaaaag ggcgg 145

<210> 15633
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-A7

<400> 15633

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atcatcttaa gatttgattg aatggctacg ctcactgaaa tagcaaccct tgaggagaag 120

tatatcgaat tgtgcaagat gcatggaatc ctacccaaca ctgccatttt atctgctttc 180

tttgaggcgg aggttaaaaa gtcaaggaat caangatgca ttatgaacct ttacgtggat 240

agagtgaagt acgatgacta tctcccgctt ctcgagttat gcaatgagat caacacatct 300

gaggtacaag gaatanatct atttgtgaga tccgcttgtt cgttagaaga tcattatgca 360

ttgcccttaa tccgttccgt cantcaanaa ctccngagtt tgttcatcca catgactcct 420

ttngggaana aacnttg 437

<210> 15634
<211> 390
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-A9

<400> 15634

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ttggactcga ctccaaatac ataccagtcg gttcaatgga ccgtaatctc aggatatttg 120

ggtttacctg atnatganaa tactgaagat tcaccacang attcatgana agatatctca 180

aaagtctcat catcaagagt agctatatcc tcaattctcg cgatttttgt tgtatcttta 240

cagttctgtt ggtantttcc tgatggcncn tctcacaatc acatagtnca cacctgagct 300

ctctcccttt ctttctnagt caacantttt cctgtnacag catncgnncc cttnatggnt 360

ctgcagttga tctttctcnc tttgnacaaa 390

<210> 15635
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-B1

<400> 15635

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cgataaagga aacattcggg aaattcgaag atgttcttga gcctggttgc cattttcttc 120

catggtgtct tggtagtcaa gttgctggtt acctctctct aagggttcag caattggacg 180

ttcgttgcga gacaaagact aaggacaatg tgtttgttaa tgttgttgca tcgattcagt 240

accgtgcttt agctaataag gcaaatgatg cgtactacaa gctcagtaac acaaggggtc 300

agattcaagc ttatgtgttt gatgttatta agagcgagtg tcccgaagtt tgcntccttg 360

ataatgtctt tgagcaagaa gaangatatt tgccaaaagc tgtttgaaga aggnagctcc 420

nagaaaggca aatgtt 436

<210> 15636
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-B10

<400> 15636

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attgatcggt aaaaaaaaaa acttccgacg tttctacaaa gttgcgaatc atgatctacc 120

tctctagacg ctcactctct tctcttctcc gatccggttt caatctccgc ggcgatctta 180

cagcagcagc tgtctcttgt tcctctctct tctccgacgc ggacggtggg attaagaagt 240

tacactcgcg agctgggaat gcagtgttat ggagaaatag tcagctatgt agttctcaag 300

gaagcttttt tggacgagga ggacaagtct caggttctgt tgtttcgatg tttctgcagt 360

ggtagtgata cttcncctcc tagcttggat cggaagtttt tggcncagct atnggttgca 420

gataagaaa 429

<210> 15637
<211> 154
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-B12

<400> 15637

tttnancttc gtccttacgt taatgacttc agcacggaat gggttgtttc ttctgttacg 60

ttgttaacgc ttggttctgt tctcactaca tatattggcn aganaatctc tgatctgaaa 120

cttggaaatg gnacttccct agtgattttc anaa 154

<210> 15638
<211> 89
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-B2

<400> 15638

angagcttct tcnaacaacg atcaaggtgg aaatggaatc catgatgaga tcggactcca 60

cgtcgcnaga tccgacagtg gtganagtt 89

<210> 15639
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-B3

<400> 15639

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cgagcagaga agaagagtaa ggtaagtttt agagtgcact tgtgtgggan tctcatttct 120

tatcctgcgc ctcttacgat ttcttatggt gcgcttctcc gactagtttc ggtgtcnaat 180

ggactcttcc tcttcttctc tatctctcca agaaaaaatc tcttcngggt atttctaggg 240

tttcgttggt tctttttttcg aaatgctttg gataacgata tttgctggat tattctccgc 300

cgcgatggna gtgatcgtgt tatctccgtc gcttcagtca tttcctccgg nggnggnaat 360

ccgttcgtct ccaatcaacc ggtntttcan nanaactcca ncnggggggtt canccaangg 420

ggnccaatgt ctct 434

<210> 15640
<211> 234
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-B4

<400> 15640

canaggatgt gaagaganca ngggaancct caccaacgng gcagaganct caatgccatc 60

atcacagcag gaggaggctg ttgtaaaaaa gaagtatgga gggctcatgc caaagaaacc 120

acctctcatt tccaaggatc atgagcgagc atactttgac tcagctgant gggctcttgn 180

aaaagcaagg tgttgcgaag ccaaagggac ccctgnaanc ccctcgtcan attt 234

<210> 15641
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-B7

<400> 15641

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ctgctgcttc gtgaccattc tcatcctact tggcacaatc cgtgttggga accttggaag 120

ctccaacgcc gactctgtta atcagagttt catcaaggaa accattccga ttctcgcgga 180

gatcccctct gattcgcatt cgacggactt ggctgagcct cctaaagctg atgttagtcc 240

caatgcaacg tatactctag agccaagaat cgcggagatc ccatctgatg tgcattcaac 300

ggacttggtt gagctgccta aagctgatat tagtcccaat gcaacgtata ctctaggccc 360

cagaatcgcg gagatccatc tgattcgcat ttgacanact tgcttgagcc gcctaaagct 420

<210> 15642
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-B8

<400> 15642

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tgatttcgcg ccacaaagaa gaagtttcat taggcgcgaa tctgaaacct aggttcgatt 120

tagttctgtc cgaattactg tccgttgtcc ttggtcccgt taagtcgatt cgatntgaga 180

aaagaaagaa agagaagaag aaaaaacgat gtcacgatat tcacatcccc acngcctgtg 240

ttatccaagg aantggncaa aggnncaaaa cttggccaaa tggaccnaag gtccgcnaac 300

aatcaattcc tgggaagtga atcnctnacn gggtcctcct gtccgaacaa ngggtttccg 360

gtgttccggt caaanatttn aaatttccct tnaaaaaaac ccccttgggn gnccnnattt 420

cnaangggtg ccaannaagt t 441

<210> 15643
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-C1

<400> 15643

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tttctctccc cctctctccg gcgatggttg ttgctatgga ccaacgcacc aatgtgaacg 120

gagatcccgg cgccggagac cggaagaaag aagaaaggtt tgatccgagt gcacaaccac 180

cgttcaagat cggagatata agggcggcga ttcctaagca ctgttgggtt aagagtcctt 240

tgagatcaat gagttacgtc gtcagagaca ttatcgccgt cgcggctttg gccatcgctg 300

ccgtgtatgt tgataactgg ttcctttggc ctctttattg ggccgcccaa ggaacacttt 360

tctgggccat ctttgttctc gggccacgac tgttggacat ggggagttct cagacattcc 420

tcctactgaa taattgtngg tggtcacat 449

<210> 15644
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-053-Q1-E1-C12

<400> 15644

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ctacgctttg ttggagtcga taacacgtca cttgctagga ggaggaggag agaacgagct 120

gcgactcaat gagtcaacac cgagttcgtg tttcacagag agttggggag gtttgccatt 180

gaaagagaat gattcagagg acatgttggt gtacggactc ctcaaagatg ccttccattt 240

tgacacgtca tcatcggact tgagctgtct ttttgatttt ccggcggtta aagtcgagcc 300

aactgagaac tttacggcga tggaggagaa accaaagaaa gcgataccgg ttacggagac 360

ggcagtgaag gcgaagcatt acagaggagt gaggcagaga ccgtggggga aattcgcggc 420

ggagata 427

<210> 15645
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-C6

<400> 15645

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cagctcattt gaagcttaag ccaactttgc ctcagattga acctccacaa acgttgaagg 120

atgttgaacc ttacaccgtt aaagtagtga tagtctttgt gtccgacctc gagaaagaat 180

gtcccaagac aaataaattc aaggctttct ttgagaaact tagggcattc gccaagtatg 240

tctgcccaat aaaaagaaaa gaccaagtag attacgaccg agacatgaag gccaaggctg 300

gaggcctctt ccaagtcata tcttcttttg cgattggaaa gataaanaag gaaattcaag 360

aggataaaat ggaagttatt aatacctta agtttatgan atttcctgcg actaaaaatt 420

gtgggaag 428

<210> 15646
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-A2

<400> 15646

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tctgtattgc gccaagaggg ctggtgttac tcacatactc aaagctggtg gagcgcaggc 120

tatagctgcc atggcctggg ggacagattc ttgtccaaag gttgagaaga tttttggtcc 180

tgggaaccag tatgtcacag ctgctaagat gattcttcaa aacagcgatg caatggtctc 240

aatcgatatg cctgctgggc catcanaaat cctanttatt gctgacgaac atgctagtcc 300

agtttacatt gcagcanact actttctcan ggggggggcat ggccaaataa tcaagttgnt 360

cctgtanttt ttgggcgaaa antgtagatt tcaacccatc naagaangaa antnccaacn 420

antnaaaanc cttcc 435

<210> 15647
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-053-Q1-E1-C7

<400> 15647

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aatatcgttt cttcagagag aatcgaacgg aagatcggaa caagatgatg tccggcggga 120

actacacgac tatagacagc cagaaagtct ctggatctgt accttctgtt ccagatccag 180

gccataccac cgtcaaattc gcagagtcaa atctacaaac ttttcctcca tctgctactc 240

agggcaagat ctctggtggt agtaatcccc ctcgtgatgc tgacgattca ttttctgggc 300

atggtaatgg tagtacagat gaacctcagt ctggtggctg gcttcataaa ttcactgttg 360

gtgcttacaa gcccttcttt gatgtcgaca cttccgatgt agttgagaga ctcaaagaat 420

ccctttttccc attccgtggg 440

<210> 15648
<211> 162
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-G6

<400> 15648

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attgtccgag aaaccacgtg ctgctaccat ttgtcatctg tancagttga tcaaccaggc 120

gatgatgacc tatcnggagc agtaccgtat cttagngtta nc 162

<210> 15649
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-G7

<400> 15649

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ctcttcctct tgggatttgt tccctatctt ggatgctatg ggattcgctc cggtgactcc 120

ggcagccgta gaaacttacg atcccgatgt ggatcatgat gatgagagta acggtttgga 180

tggatttagg gttagatcga agaggtctgg gaagtttagc ggtggttact ctgattcacc 240

tcgagaagta ngagatggat atggggttag atctagggca aggagtaaca tgaaaatgta 300

tggtggtttc aagtctgagt ttgattcaga tcacgattca ggaagtggat ttggattgaa 360

aaggaaatac aatgggaatc caaaggttag tgctgatttc gatgctgatt ctgatgatga 420

gattgg 426

<210> 15650
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-G8

<400> 15650

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tgcttcatct ctcccggcga aaccttaatc gaacagctcg gattcgatcc tattctctgt 120

tgttttctaa gaaagatgga gtggaatcgg gagactctag tgttcctttc gcaatgtttt 180

cttaacacgc tctctccgat accggagcct cgtcgaacgg ctgagagagc actctcggat 240

gctgctgatc aggctaacta cggcctagcc gttctccgtt tggtggctga gccaagcaat 300

cgatgaacag acgcgtcacg ccgctgctgt caactttaag aaccatctcc gttcgcgatg 360

gcatcctgct ggtgattccg gtatctcacc gatngtagat tctgaaaaag gagcaagatt 420

aagacactca tcg 433

<210> 15651
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-H1

<400> 15651

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ctcgtcttct tcacagacgg gtgatgcttt atcaatatcg cgtcgtggat tccacattga 120

gccaggaact cgagagaaag ctctcttggc tgaagattct gctttgaaga gattcaagtc 180

tcataagaaa agtgtgcaca aactgaagag gattggtgat gtgctcactg ttgttgttgt 240

tgcaggatgt tgctatgaaa tctatgtcaa agctgtgatg aaaaaagaag ctctggctgc 300

aggggaaaaa gctcatgagt gtcctggtct ttgnatggcc ttttggttta acccttaaaa 360

aagttgtccc ttccnaataa cccaanatta atgtttggtt aacnaatgaa aaatggaanc 420

aataaagtna aacaaaanaa aaaga 445

<210> 15652
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-H10

<400> 15652

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atgatgaagc ggcgatgagt gtcgtcgtcg gagatagatc ggagagtact ctgatgcgga 120

gtgactataa agctcctccg agtcaagcta ttcccaaagc tcgattacaa gtttggttct 180

ttagagtttg ttcttgcatt ttggtttgga cntgtttgat tcagctcttt tggcattccc 240

aaatcttcac tggtttaacc aatcacattt ctaganactc tctcncggtt cagtcagttc 300

cattacctcc tcctcttcct ccaaggaant acacaagtaa nggaatttta cnangtgtcc 360

tgtaatggcg gtttgaatca natgcgtgca gcgatttgtg anacggtgac tgttgcnagg 420

ncantgaatt tgacgcctgt tgttccngan cttg 454

<210> 15653
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-H11

<400> 15653

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gtgaccacga acgcagatga tgttcagaga cgagttcttg aagagatcct ttcacgtaat 180

gctgatgtgg agtatcttaa acgacacggg ctcgaaggac gaaccgatcg tgagactttc 240

aaacatatca tgcctgtcgt aacttacgaa gatattcaac ctgagatcaa cagaatcgcc 300

aatggtgata agtctcaagt cctctggtcc taaaccccat ctctgagttc ctcacaagtt 360

ctgggacttc tgggtggana gaggaaacng atgccaacaa tccaagagga actagacnga 420

agatnacttc nctacagtcc cctgatgccg gnatggag 458

<210> 15654
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-H2

<400> 15654

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agccaaaacc gcatcaccct ctaatccgac atcgtaccaa ctcatcggct ctattctctc 180

cttcaacaaa aaccgccacc gtcttctcca atggtacaca gatctcctcc gtctctctcc 240

gtctcaaacc atcaccgtcg atntcctctt cggtcgtcgg actatcatca ctgcaaaccc 300

tgaaaacgtt gagcacattc tcaaaacaaa tttttataac ttccctaaag gcaaaccttt 360

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tatgggagct canaagcgtt aaactng 447

<210> 15655
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-052-Q1-E1-H3

<400> 15655

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cttctatcag ttcaacgttc acacactttt tccatttcct cgacaaactc ctttttttct 180

ctcacttttc tcgaattctt ttttttttt tttctctcaa cgaaacataa atcctctgtt 240

ttggtttaag agatggagat agaagcaagc agacaacaaa ccaccgtacc ggtttcagtc 300

ggcggtggga attttccggt tggtgggtta agtccgttga gtgaagctat atggagagag 360

aaagctccaa cggagtttgt cggagacgtg tcagcgaggc ttacgtggca agatctgacg 420

gtgatggtga ctaagggaag 440

<210> 15656
<211> 280
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-H5

<400> 15656

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tcactannnc aaacgcataa atgctttact tgctaanggg atcgagccgt acgtgacact 120

gtaccactgg gatcttccac agtcacttca tgatcgatac ctcggttggc taaacccaca 180

aatcananga tggttttgca gcgtatgcgg aggtttgttt ccagaagatt tgganataga 240

agttgaangc actggattca cgttaaacgn gccaanaana 280

<210> 15657
<211> 360
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-H6

<400> 15657

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tgtcgggaaa taccgagtca gatcgggttc atccactana ctaattgctg tcatcgaaaa 120

gcacggngac attgctcaaa actgtaagct ggaancggat tcaatgcgat cacgttacct 180

cgagtgttta tgcncactga ngcaggaact taggtcaacc ccggtagggc agttgagcan 240

ngtcaaggtc aaaganatgc ttgcggttct caaanacttg gantctgtga acattgaagt 300

ancttggcta cgttctgttc ttgaagagtt tgcgcagtct caagaanatg tagaaantga 360

<210> 15658
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-052-Q1-E1-H7

<400> 15658

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ctttctactg ctcatgttga cctgatcgta agatcatcca atgaggattt gaagatctgg 120

ccgcataagt ttgagtatag actgagagta gcattgggac atgatggaga tttgacgtta 180

acatctcgtg ttaagaatac tgatacaaaa ccatttaact tcacatttgc tcttcacccc 240

tacttcgctg tttccaatat cagtgaaatc catgtcgaag gattacacaa cttggattac 300

cttgaccaac anaagaacag aacacgtttc actgatcatg anaaggttat aactttcaat 360

gctcaacttg acaggttgta cctaagcact ccagatnaac taagaatcgt ggaccataag 420

g 421

<210> 15659
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-H9

<400> 15659

tcttggtaag cattcgagag acgaagacga gacggtgaag caaaaacaga ggaatggatc 60

tgtattggtt ccaaagactt tgagaattga tgatcctaat gaagctgcaa agagttcgat 120

atggacaaca cttgggatca agaacgaagt tatgttcaat gggtttggtt cgaagaaaga 180

ggttaagctc agtaacaaag aagaaacaga gacctcactt gttctttgtg caaaccctgc 240

tgcgttatca agatcaatca atttccatga gcagatgtga ttgtatacat atgatanata 300

cgtgtatgta tgtatagatg tggtggaaga ttaagttaga tccatcaaaa tctgacnttt 360

ttgttccttc gttgtggcta catgaagctt ataatagctt ttgtaccana gacnttttag 420

tcnnttaant ttgaattttg gntgna 446

<210> 15660
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-053-Q1-E1-A1

<400> 15660

atcaatgaaa acctaaagca ttgcttttgc cttcatggta tcagagctca tggaacatag 60

atccatggaa ctctactctg ttccttctct caatatttca aattgtgtca ccgtcactct 120

tactgccaag aactatattc tctggaaatc tcagttcgaa tcttttcttg atggtcaagg 180

gcttctgggt tttgtcacag gctcgattcc tgcaccaagc canaccagcg ttgtttcaga 240

cattgatggg tcaacatcgg cttcacccaa tcctgagtac tacacctggn tcaagacaga 300

tcgagttgtc aaatcctggc tccttgggnt cgttccttac gaagaaaant cnaagtgntg 360

tggtccaact gganacannn tcgcatggan ggtnnnggnn ctccnggtan nnana 415

<210> 15661
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-053-Q1-E1-A10

<400> 15661

tctttttgtt tgaagaagat gacgcatgtt gaagatgata aggaattcaa ggagaaacct 60

ttggttcagg ttctgagcga cgacgacagt gaagtgaagg aagccaaaga cggaggaggt 120

gaagaagtta ccggcggcga cggtgaagga gaggctaatg tagaagagga agacgacgaa 180

gcagaaaatg aagacgatga tgatgatgat gatgatgatg atgacgacga cgaggacgag 240

gacgatgaag aaggggagga ggatcttggg acagagtacc tagtgaggcc ggttggtgag 300

gttgaagatg aggatgatgc aagtgatttt gaccctgagg agaatggctt ggatgaagaa 360

gaaggtgatg aagagattga agaagatgat gttgatgagg acatcagctt gagtt 415

<210> 15662
<211> 359
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-G5

<400> 15662

tctcttaaca cactcttatt cttcagagag agaatgagaa ttccggcgac aactggtttt 60

tttgttttat acntagtttc tgacttttga cggatctctc tttccgctta gtcagatttt 120

aataattttc ggtttagctt ggttcgtttc cggttaagat cggattattt ttagttttat 180

ntttttttccc tctttctaca ggatttcagt gtaaatcccg cttgctgtca nttggtttct 240

ttcaggttca tctgttggct tgactcttct ccaaagttan agtnntatct tcgccgtaat 300

gtcttcgtng ttatgcgaan tggacctctc tatcngtctt gggcggagcn tcntccgtt 359

<210> 15663
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-A11

<400> 15663

tcaacttatt gtttgaatat aaaaagagat atcaaaaaga agagaagacc aaaaacaaaa 60

caaaaatctc taataaaaat ggcttccaaa gctatcttct tctctttctt tgtcgtctcc 120

gccgtgtgtt tgtcttctct ggcaggtttc gccgccgctg atgctgacga cttcgatcgt 180

ttccagattc aaggatcagt ttactgtgac acttgccgtg tccaattcgt tacccgtctc 240

agcaaattcc tcgaaggcgc gaaagtgaag ttggagtgca ggagcaagaa caaacggaac 300

cataacattg accaaagaag ctgttaccga caaaacagga aagctacaaa atggaaagta 360

accggtgacc acgaggaana agtttgcaac cttgttttgg tccaaatcaa caagacagtg 420

ggntgcang 429

<210> 15664
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-E2

<400> 15664

gnnnnnnnnn ggaactgggt ctgccttnnc ctacgcctcc gcgaaantcc cgangtcgac 60

ccacgcgtcc gaaaggaaag cattatgnga agctgaaagg tcgcttanaa gaagcggaac 120

ttaaactcat cgaaggagaa aaactacgga agaagttgca caataccata caggaactga 180

agggaaacat ccgtgtattc tgtagggtga gacctctatt atcaggagag aattctagtg 240

aggaggccaa aactatatcc taccctacat ctctagaagc acttggtcgg ggcattgact 300

tgttgcaaaa tggacaatcg cattgtttca catttgataa ggtttttgtg ccaagtgcat 360

cacaagaaga tgtttttgta nagatttctc aacttgtcca nagcgctctt gatggttaca 420

aggtttgcat tttcccatat ggacaaacag gatctggaaa aacttataca atgatgggta 480

ggccaggaaa cccngatgaa aaangactga ttc 513

<210> 15665
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-E4

<400> 15665

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acgcgtccgc gagaaccatg gcgggtaagc agatcggcgg agacggaggt ttaccggcaa 120

atctcgccgg aatgactaaa agtcagctct atgatattat gtctcaaatg aagacgttga 180

ttgatcaaaa ccatcaacaa gcgagggaga ttctgattcg gaaccctctt ttgacgaagg 240

ctcttttcca ggttcttctt cacttcgcta atcttttcca tcttctaaat ctgcaatccg 300

tgtggtctta taagcaatgn ggaattctga tttgganctt cttacttgag taaattgatt 360

ggactagttt gggtttagta ttgttgaaca agcatgcann aatcatgntc ggaatggttc 420

agcctcctca agtgactccg aaagttgagc caaannctgt acgacaacct cnncattctc 480

atgnntctnt cncgcccang cc 502

<210> 15666
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-E6

<400> 15666

ctacggcgag gatgccgcca ccgaggacat gcctatcact ccttggtctc tctctgtcgc 60

cagtgggtat acgttgttgc gtgatccaca tcacaacaaa ggccttgcct ttagccacag 120

agagcgtgac gctcactatc tacgcggcct cctccccccc actgttatct cacaagatct 180

tcaggttaaa aaaattatgc acactcttcg tcagtatcaa gttcccttgc agaagtanat 240

ggctatgatg gatctccagg agaccaacna gaggctgttt tacaaacttc tcattgatna 300

cgtcgaggag ttgctacccg ttatctacac tccaacggtt ggggaagcct gccagaagta 360

tggtagcatt ttcctgcgtc cacangggct ttttaacaac ttgaaagaa 409

<210> 15667
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-E7

<400> 15667

ggaactctca tttcttatga aggcaaagtc cagcttctgg agattgctca ggttcctgat 60

gaacatgtca atganttcaa atcaattgag aagttcaaga tattcancac aaacaaccta 120

tgggttaact tgaaggccat caaaaagctt gtggaagctg atgcacttaa aatggagatc 180

attccaaacc caaaggaagt tgatggagtc aaagttcttc aactggaaac tgcagccggt 240

gctgcgataa ggttctttga caacgctatc ggtgttaatg tacctcgctc acggttcttg 300

ccagtgaagg caagttcaga cttgctgctc gtccagtctg atctctacac cttagttgat 360

ggctttgtca ctcgaaacaa agctagaact aacccctcna acccgtcaat tganttggga 420

cccgagttca aagaaggtgg ct 442

<210> 15668
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-E9

<400> 15668

gcgaaactaa acctgagaga aaaagccaga agaaccaaac tcagaccgag agatagagat 60

tgagggagag ctctagctct gtagaaaaga aggattcatt catcatatcc agaaatggct 120

ctaaagttta acccttggt ggcatctcag ccttacaaat tcccttcctc gactcgtccg 180

ccaactcctt ctttcagatc tcccaagttc ctctgcctcg cttcttcttc tccggctctc 240

agctccggcc ccaaggaggt tgagagtttg aagaaaccat ttacgccacc cagggaagtg 300

catgttcaag tcttgcactc catgccacct caaaagatng agatnttcaa atctatggaa 360

aactgggccg aggagaaact tctgattcaa ctcaaggatg tnganaaatc ttgggaaccc 420

cangaattcc tgcctgaccc cgcatcagat ggng 454

<210> 15669
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-F11

<400> 15669

cntctacctc tgctccaatt tctctgaaaa caagaaaacc ttaatcaatc gaaatctcag 60

tgtaactaat caatggagat caagcctggt ttatccgctc tcgtcactgg cggcgcctct 120

gggatcggtc gagctctctg cttagctctt gcagagaaag gagtttttgt aacagtcgct 180

gatttttcgg aggagaaagg acaagagact acttcgcttg ttcgagaagc gaatgccaag 240

tttcatcagg gcttaagctt tccttctgct atctttgtga aatgtgatgt gactaataga 300

ggagatctcc tcgctgcttt cgataagcat ttagccacat ttggaacact tgacatctgt 360

atcaacaatg ctgggattag cactccttta agatttgata aagatgacac tgatggatnt 420

aaatcatgga aacacancat taaagtcgat ttgaatg 457

<210> 15670
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-F3

<400> 15670

ntggnntnnn ggaantggtc ngcctnnnct aggcctccgg aggtcccagg tcgacccacg 60

cgtccgccca cacgtccgca tttctgaaat ctctcaactt catcatcaag tgggttccta 120

tgagagtgac gactctttga ttgcttcgcc acatctttta tttttatcct tctaagtcat 180

ttctctatct atccatatag ataaaaacct tctaatagat ctctgtgtca ttttattcgt 240

aagaatgaga tctagtgtag aagataacaa aggatggata ggaccagcga caccggagat 300

atcgaacggt tttgagtttc agaaaggttc gaaccggaca ccaaaccatc accggtctac 360

tatggggaag ccagcgccgt caaaatggga cgatgctcag aaatggcttt ctggtgtang 420

gtttgctcgt ggaggtggtg gaggtggtga caagagtagt catcactcaa gaagtaataa 480

gccgagaaac tcgaacgcgg atgatcttag act 513

<210> 15671
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-F4

<400> 15671

nnnnnnnngg aactggtntg cctgtnccct acngccccgg aaatcccgan tcgacccacg 60

cgtccgagga agctcagttc agcagcccta acctcaatgt agcttacaaa atgggagtcc 120

gtgagtacca agacctcact ccttatgcaa atgccctgga agaaaactgg gggaaacctc 180

cggggaacct taactcagat ggagagaacc ttcttgtcta tggaaaagcg tacggtaatg 240

ttttcatcgg agtgcaacca acatttgggt atgaaggtga tcccatgagg ctgcttttct 300

ccaagtcagc aagtcctcat cacggttttg ctgcttacta ctcttatgta gaaaagatct 360

tcaaagctga tgctgttctt cattttggaa cacatggttc tctccagttt atgcccggga 420

agcaagtggg aatgaatgat gcttgttttc ccgacagtcc tatcgggaac attcccnatg 480

tctactaata agcagctaac aatccct 507

<210> 15672
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-F5

<400> 15672

tgttttgctt tagttggaag cattaagaga acagccatgg cttcttcttc aatctcattc 60

tcctgtgcac cttctttggc cacctcactc ttctcnacca cttcttcttc cccaaggctg 120

ctctcctcta gatttctcgg aacccnaaan ttaaagcttc ggatccgacc tgccagncta 180

ggatcctcca atggttcagg anccacttgc tggttcaagt tcngcaagaa tggtgtcgat 240

gctganaatg ccggaatcta tggcagccag tctcgagatg atttcgacag agacgacgtc 300

cancagtatt tcaactanat gggtatgctt gcagtanaag gaaccnattc ananatggaa 360

gctcttcatn ncctaaacat tcncccagtt gatatcttgt tgatgttagc cgctacanaa 420

ngtgacagac ctaaagatcg a 441

<210> 15673
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-052-Q1-E1-F9

<400> 15673

aaaagtgtaa gagacaacca acaaaaaacg attcatctct tctcctatcc tctcctcttc 60

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tcactctatc cacttctaaa gcagagcatc tctcttcgct cactaacagt accaaacatt 180

ctttcctccg gaagaaacac agatcaacca aaccagccaa atctttcttc aaggtgaaat 240

ctgctgtatc tggaaacggc ctcttcacac agacgaaccc ggaggtccgt cgtatagttc 300

cgatcaagag agacaacgtt ccgacggtga aaatcgtcta cgtcgtcctc gaggctcagt 360

accaagtctt ctctcagtga aagccgtgca atctctcaac aagacttcga gattcgcatc 420

ctacgaagtg gttgggatac ctggtccaag aacttaaa 458

<210> 15674
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-052-Q1-E1-G1

<400> 15674

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ctcctctttg tcaccactcc atggtgtggt gagtccagat ctcttaagta tgaaattact 180

cagatggttc agagaagaga agagtttggc ttgttgaagt taatggttgt atacagaaac 240

tcagaaaagg tgttagcaca agccattggt gctgctgtca atgggataac aattttgtac 300

tatcacaata gtgtgcctta caactatcta gggaaactcc gagcctcgaa tatattgtca 360

tctattcatc cttatctgac atctacgcct gaagaactcc ctctcaaaca tttgaagtct 420

ccaaaagatt tgaaaagatt 440

<210> 15675
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-052-Q1-E1-G10

<400> 15675

aaaaacaaaa aaataataaa acaaaaaaat atctttttt ttttctaata aaaaaaaaat 60

aataaataaa tatgagatac acaaatgtgt ccattttatt aggcatgttg gtgatctttg 120

tttcaccaat ggtgttcgca gatgatttga caccaatccc agagggcaaa ccccaagtgg 180

tgcagtggtt caatacccac gttggtccat tggctcaacg taaaggctta gatcctgctc 240

tcgtagctgc tgaggctgct ccacgtatca tcaacgtgaa tccaaaggga ggtgaattca 300

aaacactaac agacgcaata aagagcgttc ccgcagggaa cacaaagcgg gtgatcataa 360

agatggctca tggtgagtac agagagaagg tcactatcga caggaacaaa cccttcatta 420

cattgatggg acaacccaat gccatgcctg ttatc 455

<210> 15676
<211> 522
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-G3

<400> 15676

tgnnnntnnn ggaactggtc ngccttgntc taggcctccg gggaccatcc caggtcgacc 60

cacgcgtccg atcggagcat tgagcaacac aatggaggag gaaccggaga gaaggaaagc 120

tatcgctctc ttcatggctt tcggtaccaa aggcgatgtc taccctctcg ctgccattgc 180

cgcagttttc gctcgtgttc aacaacacta cactgtggtt ttgatgtcac atttggctca 240

tgagaaccta agctcccatt tgagtaaagc aaaagtttca tattttccta tcaattctcc 300

tcctgctctg tctaatgaac ctcagggtac tcaaaacgtc acagactcgc tgaggaaaat 360

gtttttggag gaaaaagaaa ggataaaaag ggaacacaga caagagtgtc attctgcatt 420

caagaancat ttttcngaaa aggattcctt gtatgggaag gttaattccg tgtcataaaa 480

ttcctttgca attggaaagg atgaacccaa ccanaanttt tc 522

<210> 15677
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-E12

<400> 15677

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atcaatcatt atctttcttt aattttgttg gatttttgc atattgcaaa gtttagaacg 120

cgagcgaatt ctccgcggaa ttggggttaa aaggaagaac ttttagggtt tttgattctt 180

cgggttttct cgtgctttga ttcctttcaa gtcaaagcaa agcattacct tttctcgtcn 240

atatcttttg acgacctaag tttctgctgt gaattgttaa acagccatca gcctgggctt 300

gattagccaa ccctgttaag gcannggttt gaactaaaag tgagatantg agatggatgt 360

ctcagcactt ttaacgtctg ctgggattaa tatagcngat atgcgtagtg cttgtatcgc 420

ctttagtcca ttctacgaaa gcagncagcc antt 454

<210> 15678
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-B5

<400> 15678

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ggctttctta aggagttttt tcgctaccaa gcatatcatt cgccggtctt ttactacgga 120

atcattatca acgcctaaag ggttctttgc tgtgtatgtt ggagaaaatc tgaagaagaa 180

gagatatctt gttccggttt gttacttgaa caagccatct ttccaagctt tgcttaggaa 240

agcagaagaa gagttcggtt ttaatcatcc aacgggcggt ttgagtttac catgcgacga 300

agctttcttc ntcactgtca cttctcagat tcgttaatcc catacaataa ttaaagtctt 360

ttttacattc ncttatttat anangannat acacattgta catactaata cctttatnta 420

catactgatg agaagaataa ntcaacgnag 450

<210> 15679
<211> 335
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-B6

<400> 15679

acacatctct gatatttgct gtttcatagg gacaatataa aggtagtttc attcacagtc 60

atgggaaact gaggcttgtg atagcctcga aatgaagtta caatgttttg gattttgacc 120

ggaaaggttg tgcagaggtg agaaaaagcc aagccattct tttgtttacc aagtgaggtg 180

atataacatt tttctggggt ttttctttta attcagccaa taaaacgtag gaaattttgg 240

acataatttt ttcttttatg gttcttcatg tttaaacatt agttttcacg taatttactt 300

gcgtatttct catcgattaa aanaaaaaaa aaaag 335

<210> 15680
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-B7

<400> 15680

caatgagagt gaaaaagact atgatttgct gccaaaggtg gttgagtttt ctgaggaaaa 60

tggttataga agtgcagaag agaagtcttc taaagtagag accctcgatg gcatgaacat 120

gaaacttgag gaggacaccg agaagaagga aaagaaagaa cgttctccag aggatgagac 180

agttgaagtt gaattcaaaa tgtgggaaag ttgtcagatt gagaagaaag aagtttttca 240

taaagagtct gcaaaagaag aagaggaaga cttaaatgtg gtggaccaaa gccagaaaac 300

ctcgccagta aatggattaa cccggagaag atgagctgtt gaaagagaaa gagaaagaag 360

aagaagaaga cattgtttgg taaanttngg aatcttcnca aagaagaaag gncccgtgaa 420

tcagaaataa atgaaacctc ncctgattac tacact 456

<210> 15681
<211> 327
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-B8

<400> 15681

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gttcnagtag ggttcataaa tatcnntgaa aaccaccgtt tggtgatact tcgtcgtcct 120

cgacactctc aagattcatc atcgaacctg atggcgaata atcctccgca gtcttctggt 180

anccagtttc gggcgatggt acctggaaaa gcagggtcaa cattttgttc cctgnagctt 240

cacaaccttt tcaaccttat ggacatgttc cctccnaatg ttcaaaagtc agcctccnnn 300

agtantctca gcccganaca gnnanca 327

<210> 15682
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-051-Q1-E1-C10

<400> 15682

gctttgcctt tgtctttgat ttttctctgt atcgtcggtc tctcttttgc gtttctcgat 60

cccaccgtct aatccttctc cggccaatga ctatgatgac tccgcctccc gttgatcagc 120

cagaagatga ggagatgctt gtgccgaatt cagatttggt cgacggtcct gctcagccca 180

tggaagttac ccaacccgag actgctgcga gtactgtgga gaaccagcca gctgaggatc 240

ctcctactct gaaattcacg tggactatcc ctaatttctc taggcaaaac accaaggaag 300

cattactccg atgtatttgt cgttggaggt tacaaatggc gcatattaat ttcccgaaa 360

gggaacaatg ttgatcattt gtccatgtac ttggatgttt ccgatgctgc gagtttgccg 420

tacggttgga gcaaatatgc tcaattcagt 450

<210> 15683
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-C12

<400> 15683

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tcgatcgtcg tctccgacct acatctgccg gaaaatatct tttgaccatg gatttcagga 120

ttgataatgg agtagctgct gggatgatga tggggattcc tgttgagctt gaggttacca 180

cggttgagaa tcataatgaa atgggtgaaa gctctggtca agcaatgatt gagcaagatg 240

atgacaacca taatgaactc ggtgaaaatt ctggtgagca agatgagaag gtggatcttg 300

attctattcc tctggctgtt gcagatatga cagaggctca aggagatgag ccttacgttg 360

gccaggagtt cgaatctgaa gcagcggctc atggttttta taatgcgtat gctactaaag 420

taaggttcgt catccgtgtt agtaaactgt cacggtcaan gcatgatgga tttcccataa 480

gcaagcaact tgtttgtaac aangaaaggt acag 514

<210> 15684
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-C2

<400> 15684

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taagccttcc ctcttctcct cccacaacaa ctggcacgtc tctctccttc gctctctccc 180

ttcttctccc caaccagcaa cgctgctcta ctcttattca cgcgccgttc atggcttctc 240

cgctcgtctc tcccctatcc aaaccgccgc cctccgccgt catccttcag tcatctccgt 300

tatacctgat taagcgcgtg agattcacac aactcacacg cctgccttcc tcggtttctc 360

ccaaaactct ggactctgga gcaactcaaa ttacggggaa aangtgattg tcggngtttt 420

agatactgga atctggcgga acatcaagtt tc 452

<210> 15685
<211> 523
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-C3

<400> 15685

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gcgtccgcat ggctccagat cctccagaac cacaggatct gccagagatt tgtagggatg 120

ttatgatgga atactcaaag caagtgatga ttttgggtga atttctgttt gagcttttgt 180

cagaagcact agggttgaac cctaatcacc tcaaggacat ggagtgctta aagggtttgc 240

gcatgctttg ccactacttc ccaccgtgtc cggagcctga cctaactttt ggcacaagta 300

agcactccga cggctctttt cttaccgtcc ttctaccaga taacatagaa gggcttcagg 360

tttgtcgtga gggatactgg gttcgatgtt cctcatgttc ccggcgctct catcatcaac 420

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tggcgaacag agccacnaga actcgagtct cntcgcatgt ttc 523

<210> 15686
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-C4

<400> 15686

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aaaaagttgg aagctcaagg tggtcgtgga ggagaagaat gggacgatgg tggtgcttac 120

gaaaacgtca agaaagtgta tgttggtcaa ggtgattctg gtgttgttta cgtcaagttt 180

gattacgaga aagatggaaa aatcgtatca cacgaacatg ggaagcagac actacttgga 240

acagaggagt ttgtggttga ttcanaagat tacataacat cagtgaaaat ttactacgan 300

aagctctttg gatcacgata gagatctaac ggctcnaatc cttaagacat tcaaagggga 360

aaactctcaa ccctttggga caacctctgg gagaaaaanc tgaactaaga agtggcaaaa 420

tcntttggat tcatggaant caagtnaa 448

<210> 15687
<211> 244
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-C6

<400> 15687

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aagtaagtgt gaggcacatt caaagaaaaa catcatatga ttacttcttt gagaaacttt 120

gctctcatta ggaaagtaaa ataattcaag aaataagcac aaccttgtgt agttttgaaa 180

taatacttgt attttttttg ttgttataaa aaacaaacnc cgtnnaaggn ncncngcncg 240

tnnc 244

<210> 15688
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-C7

<400> 15688

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agcttcaagc tcgtcatcgt tggtgatgga ggcacaggga aaacgacctt tgtgaagaga 120

catcttactg gggagtttga gaagaagtat gaacctacta ntggtgtgga ngntcancct 180

ttggatttcc tcacaaactg cggaaagatc cgtttttact gctgggatac tgctggacaa 240

gagaaatttg gtggccttan ggatggatac tacatccatg gtcaatgtgc gataataatg 300

tttgacgtca cagcaaggnt cacatacaag aatgttccga cattggcatc ntgattttgc 360

aaggggtttt gaaaacatcc cgatgntctg tgtgggaaac aagtccattt tanaacacgn 420

antntaagna agcagtccca ttc 443

<210> 15689
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-C8

<400> 15689

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agcttattct ggtggtgatg cttatgccat agacatcgat caggacactt gtatgagcga 180

tttcaaatcc gaattagctg aaaatttcgg gtttaagttg ggagaatatg acactcaagt 240

acttcctccc tggaaacaag aaaaccttaa ttactatctc taaggataaa gatttccaac 300

gcatggttag cttttccgca gacgcaccaa atgtcgaaat cttcgtctta cccgaagaag 360

ccgaagcaag gaatgtctcc aacatgccag ctagtagatc aagtaggaca actgcatcag 420

aancagtggt acctgtagtg tctgcag 447

<210> 15690
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-C9

<400> 15690

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ctgaaggctt gacctctgct acattccaag cttttcctga tcaagatcaa ggggatgaag 120

tttccgatgt gataacaaat gcttcgaatg ttcgaaagga tctctcggat tggcaagaga 180

gacatgccac tctggttcta acctctgtca agcaaatctc caagttaaga tacgaacttt 240

gccctcgttt catgaaagaa aggaagttct ggaggattta tttcacacta ntgagcactc 300

atgtttctcc atatgagaag aaatncatgg angaacttaa gaccaaagga gaacatggaa 360

atgaanaaac taagaaagnt ccaacgactg gagaaacana aacantttaa aanaagtttc 420

caacccttaa natctaccgg 440

<210> 15691
<211> 290
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-D1

<400> 15691

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tcctttggga tttcttcaca aactgcggaa agatncgttt ttactgctgg gatactgctg 120

gacaagagaa atttggtggc cttaaggatg gatactacat ccatggtcaa tgtgcgataa 180

taatgtttga ctcacagcaa ggntcacatn cangaatntc cgacatggca tcntgatctt 240

gcagggtgtt tnaaaacatc ccgattgttc tgtgtggaaa caaattcntt 290

<210> 15692
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-B4

<400> 15692

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cccggaagcg gaatggtcga tgaggcactc gcgattttgg cgattctctc tagccacccc 120

gaaggaaaag caatcatagg atcctctgat gcagtcccaa gtttggttga gtttatcaga 180

actggctcgc ctagaaacag agaaaacgca gctgctgttc tagtccacct ctgttctgga 240

gacccacaac atcttgtcga agcgcagaaa ctcggcctta tgggtccatt gatagattta 300

gctggaaatg ggacggatag agggaaacga aaagcagcgc aattgcctna acgcatcaac 360

cgtctcgctg aacaacagaa agaaacggtg tttcacaacc ggaaagaana aactgaaaca 420

acacatccag aatccaacac agaagctgca gatactt 457

<210> 15693
<211> 82
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-H2

<400> 15693

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aanttggtgg tcctccantt cc 82

<210> 15694
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-H3

<400> 15694

gattaaaatt ttgaattctt catcatgacg acgacgacga cgattcagtc tcctctctct 60

acacgttgaa tttcaatcgg cttcacgaac cttcaacctc gtgcggatcg aaattcgatc 120

agtttgtagt aaccgacaag ttccgaagat ttttcatctg ctggatttcg tcgatcagat 180

tgaaaccgag cttttcaatc aggtgacttg gatatttctc tacgttatgc tcgatctgaa 240

gaattgggat tcaaatctag tctcatagat cgattctgat taaactcgtg gagatccaat 300

ctctatcact agttcgaatg gattgttgtt tgttancttc aagggctctc tgtgtttgtg 360

aagtgagatg gtataattgc atagctcaat ctcngnctgc aaatccgtcg acccaatgat 420

catgtccnan tcctcancta atccaganac aacccgttat ta 462

<210> 15695
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-H4

<400> 15695

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aaatctaacc aaaacttttc tccgtatgaa gagacccagc cgattgattc taatccacct 120

tcttcttctg attctggcga ggataaagat agcttgcttg gggattgtga cacacaacct 180

gttgatgaca atgctttgat taatgatcag tatatggaga ctcaggtcat ggatactgaa 240

tgtgataatg aagaatttct tctttgtaat gaaactcaag cagttgattt gggatttgaa 300

accggagaag aagtacttgt anaagggaaa cagttacttg aaanctcctg atgggnttgg 360

gctactcaag gttttgggtc tttgtgaatg aatgaaagtt gttgtgggat agtggattga 420

tgaatgttta ccngaaggtg ttgggg 446

<210> 15696
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-H5

<400> 15696

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agttcaacca ttgttgcatc cacctctgaa gggtcggatt ttgatccgat atctcgattg 120

aggaagctct tgttccgcca aatgcttgtg ggaatcaaag acggcagatt cttccttgga 180

aatttccatt gcattgacaa acaaggaaac atcattctcc aagacactgt ggagtatcgt 240

agcatacgaa gatcatctcc ttcgcctact gaacagcgtt gtcttggtat gatcctaatc 300

ccttcctctt gcaggacatc ttgccatgtt gattgctcta tcgatgaaca gctttcgttg 360

attcagctga anagaagtag aagcttcctt ttaagacttc atgaagagaa tccttccaaa 420

gtttcatcaa tgttgtaanc aatnataagg tccttgtcat gggatttagg 470

<210> 15697
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-H6

<400> 15697

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caaagttttg gttaccacac tcattccgct tccccctgct gaggagaaag aactgactga 120

nacgcttcag gagatcattg gagcagggaa naaaatcact gtggnacaaa anattgatcc 180

aagtatctac ggtggactaa tcgtagagtt ccaacaaaag gtgttggaca tgtcaatcag 240

gacaagggca caacagatgg atangctcct ccgtgaacct gttgacttca acaacctctg 300

aanatcctga gagaaatttc ccccananaa aacatgcttg tgatgaatgc caccannttg 360

acaaatnaat atggaccctn cctnggaaac aanataaana ncctggccac ntctctccct 420

ttgaatttgg ncaanttgcc tttntacana actgttgttt gcctcgag 468

<210> 15698
<211> 75
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-H7

<400> 15698

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ttctcgtttg atggc 75

<210> 15699
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-H8

<400> 15699

cacaagtatt catctcgacg agctgttcgt cgactaggta cacgcgcgat cagatcagcg 60

tcgctttcgg cgatggctat ggtaaccaga tatacgcacc aaggcttgat gatccatcta 120

caaaaacgtt tgagcaatgt tcatcaagat acatttcaga taaacggacc atgtacatac 180

cagatatgct atgtatatct ctacaggtct ggtccagatg gttggatccc aaacactgta 240

aagatatata gccatggctc taaagcggtc accttcccat ataacacata tgttcctgag 300

agtgtatggt atggtttcaa ttactgcaac agcgcctcag attctaatgg tccttgccaa 360

ttggtcctca ngaaggagcg tggatcaata actccctaag gtttggttgt cncccggtac 420

aacattgctc ttgtaacccg gttatgttcc cggttttgta naaacaaa 468

<210> 15700
<211> 305
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-A1

<400> 15700

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gaagcttcca ggttatcatg ccaagaccac tgaagaggaa gtgaagaaag aaaaanagtc 180

tgatgattaa gcaaaatggg ttaangaatg aataatgatg tgggangtgg acattcgctg 240

tgttttgtga tcattancnt tctcttttag gnttgtaatg tngncttngn gtgattgcat 300

tngat 305

<210> 15701
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-A10

<400> 15701

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gctttcattt gcgcgattgc ttccttctct gataacttca gtaaccaaaa tccctctgct 180

cagatccaga tattgaatat caattggttt cagaagcaac ctcatggaaa tgatgaggtc 240

agcttgacac tgaacataac agctgacttg cagtcactat ttacntggaa cacaaagcaa 300

gtanttgctt ttgtagcaac agagtatgaa aacctccaag aacgccctga atcaagtttc 360

actaagggat gccataatan caagagaaag agcatgccaa attctggata caaatctcaa 420

acaagttccg tttcatagat nagggacata actccgangg ga 462

<210> 15702

<211> 66
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-A11

<400> 15702

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aatcng 66

<210> 15703
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-A3

<400> 15703

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tcaccaccaa atcggtgcct ccttgaatag tcgccgccgt cgtctatcat cgccgcttgt 120

gactccgatg agaagctang ttattgaatc agagattatg gctgcttcaa tttcaagaag 180

gatttttcgc acttttggat ccttttcagc tctaggacgt tcctcttcac caaatttgtc 240

tgcgaataca tctggaaatg gtttagcttc tcttactaat gatctaaagt atggaatggc 300

tttacttcca accgaaagct ctccacttcn atttgactcc tgatgatcaa ttccntctga 360

ttactancaa aaagactgtg cttacaccag accgaaccat aggacaanat caagacttgg 420

ncaatccaat gnctaaattt cagaacgaag aaaaagggtt caatgggttt aacaagtgat 480

gtccttgaag ttccaanaag 500

<210> 15704
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-051-Q1-E1-A4

<400> 15704

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gccaccgagc aattagcttg ttacactggt tcaactgttg gaggtctcct aaacgctaca 120

tttggaaacg tgacagagct gatcatatcg attttcgctc ttaaaagtgg aatgatacgt 180

gttgtacagc tgacattgct cggctcgata ctttctaaca tgttacttgt acttggctgc 240

gccttctttt gtggcgggct tgtattttcc cagaaagagc aagtctttga caaaggtaat 300

gctgttgtga attcgggatt gctttgatgg ctgtcatggg actactcttc ccgcagttct 360

tcattacacg cacagtgagg tcatgctggg tcatcagagc ctggctctct caagaatcag 420

cagtgcataa tgctcgttgc ctaagctgct actc 454

<210> 15705
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-A5

<400> 15705

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gcggtggctc gaggcttgga ggtgtggcga cgacaagggc ggaagaaggc ggggttgtgc 180

cacttccagc gggaatacgt ccccttctcc ggcgaangtt agaggagatg aagaaacgga 240

gccatgcagg cgtcttgaaa gggagccaag acttgtctaa gaaaagaacn tcntaagcat 300

aactcctccg aaggacggga gaaaatacng gngaaaaaca acggtacctt gaagncttcc 360

gccaaaggtt ctnccgnccc tgattnatat gttnaaagaa aaanaagaag gtaattnata 420

aaaanattcc acccaagntn annttaaaaa ggntnagg 458

<210> 15706
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-B10

<400> 15706

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acatagttgt gcggatgcta agagagaatg gtattcagaa agtaaagctc tttgacgccg 240

aatacgacac tctcagagct ttgggcaaat ccggaatcga agtcatggtt ggtattccca 300

atgagatgct tgcgactctc gcctctagcc tgaaanctgc tnagaaatng gtttcnaaaa 360

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anaaacttct tgtntactat aanggngcca tctnantt 458

<210> 15707
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-B11

<400> 15707

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aatcttgcag agtgaggagg ataaagctag gaagtcaagg cctagaggta tcggcgcaag 120

gccttggttg catgggactc accggtcatt acggtgcttc caagccggaa actgaagcca 180

tcgctctcat ccaccacgct attcactccg gtgttacttt ccttgacact tctgacatgt 240

atggtcctga aaccaatgaa attctcctcg gaaaggctct taaggatggt gtgagggaaa 300

aagtggagct tgcgaccaaa tttggaatca gttatgcaga aggaaacnga gagattaagg 360

ganattctgc ttaagttaaa anctgccctg ttaagctaat tttaaagaga ctatattttc 420

ctgcatgatn tgnattatca acatccggtt tatactc 457

<210> 15708
<211> 524
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-B12

<400> 15708

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atctgattct actctagtct aattgggtgc tttcgatttc tgaataaaaa ttcgattttg 180

gtctgacgat taagaaagcg aaagtgatgg ccgccgtaaa tggatatcag ggaaatactc 240

cggcagatcc tccggcgtct aatggatcaa aacaacctgc ggctccgacc aagactgttg 300

acagccaatc tgttctcaaa agactgcaat ctgaattgat gggcttgatg atgggcggtg 360

gtccaggaat atcggctttc cctgaggaag acaacatatt ctgctggaaa gggacaataa 420

caggaagcaa agatactgtg tttgaangaa ctgagtacag actctcactc tccttctcca 480

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<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-H12

<400> 15709

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gatggnanat attgtgggca attcattagc cttgaaaggc gcgtctgatg aagatagaag 120

cggaagctca atggggaata ctgtgaagcc agctagaagg tatcctctgg taacatataa 180

cccaggagtt caaattaata acgtcaaatc aaaggctaca tcaaacccta gatggccaag 240

agtggttcta aaaatcagtg gtgcaactct tgcctgcacc ggtcctaata acattgatcc 300

aaaggtaatc aatctgattg caagagaagt tgcaatggct tgtcgtcttg gtgtanangt 360

agcgatantt gttgggagtc ggaacttttt ttgtggcaac acatgggtaa ctgccactgg 420

tttggataaa ancactgcat atcatataag t 451

<210> 15710
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-E3

<400> 15710

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aggaggaaga cctgagttct tctttgatga tggagcttat ccagaacagg ttgactggat 120

tggtcagaag aatcagatag acgctgctaa ggctgcagga gttaagcaga ttgttttggt 180

tgggtcgatg ggaggaacaa acattaatca ccctctcaat agtattggca atgctaacat 240

tctggtctgg aacagacang ctgancanta cttggctgat tccggtattc catacaccat 300

catcatggct ggacgtctgc aggacaanga cngtngcatt cgagaaatta cntgtgggaa 360

aacatgacna gctacttnag acaganacaa tgaaccatcg cgaggagctn attttgncaa 420

aagtctgtgt tcaaggccan nncgagcttt caggaggcan aantccaaaa gcnc 474

<210> 15711
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-F1

<400> 15711

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cacagaggaa gcaggatccg aatcagaacc tgaatcagag attttgagca gagggaagga 120

gtcatgtaaa gagtatatta agaatttctt ggcggccata ccaattaggg agttgcaaga 180

ggatatcaag aaaggattag cctcaaccgc gcctgttcat caccgtttac agatcgagtt 240

tcattacacc acaaacgcag aagattacca gtctataaaa gcctaggcag agttgctaac 300

gttttgttga gtttcttgta agttttgtaa ctaacttgtg aatgtgattt agagttaaac 360

cagtttgtan ctaactatcc aaggaattac attttgctcc ttcaaaaanc agaggngcnc 420

gnggcgnncc anngnaaaaa aagggcggcc gcnctanagg gttccag 467

<210> 15712
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-F10

<400> 15712

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actgttatta tgactgttgg tattgctatt gtgtcatggg ttggcttacc gacctccttt 120

accatcttca actttggaac acaaaaagtt gtcaagaact ggcagctatt cctttgtgtt 180

tgtgttggtc tttgggctgg actcattatt ggtttcgtca ctgagtacta cactagtaac 240

gcctacagcc ctgtgcaaga tgttgcagat tcatgcagaa ctggtgcagc taccaatgtt 300

atcttcggcc ttgctcttgg ttacaaatcc gtcattantc caatccttgc taatgctanc 360

agtanattcg ttagcttcan ctttgctgcn atgtangggg gttgctgttg cctgctcctg 420

ggatgctcag taccaantgc cactgggtt 449

<210> 15713
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-F11

<400> 15713

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ctagaacaag tacggtctct attttgcttt aatgggtcgc gaatctgtgg ctgttgtgac 120

tgcgccgccc tcggcgactg ctccgggtac tgcttcggtg gcgacctcgc ttgctcctgg 180

cttccgattt catccgactg atgaggaact cgtgagctat tacttgaaga ggaaggttct 240

gggccaacct gtacgcttcg atgcgattgg agaggtcgat atatacaagc atgagccctg 300

ggatttagca gtgttttcga gattgaagac aagggaccaa gaatggtact tctacagtgc 360

attagataag aagtatggaa acggtgctan gatgaaccga gcaactaaca ganggtactg 420

gaaagctact ggaaaagaca gagaaat 447

<210> 15714
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-050-Q1-E1-F12

<400> 15714

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gggacaacct tggattcagt cttgtacgga cagatttcat gttcgccacc aaaagttgca 180

gagacggaaa cttcgaacag ggttaccttа gccgttacgg caacatcgag ctcaaccctg 240

ctgctggaat tctcaactat ggccagggac taatagaggg gatgaaagcg tacagaggag 300

aagacggtag ggttcttctc ttccgtccag agctaaacgc gatgcgtatg aagataggag 360

ctgagagaat gtgtatgcat tctccttctg ttcatcagtt tattgaaggt gttaagcaga 420

ccgttcttgc aaacaggcgt tgggt 445

<210> 15715
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-F3

<400> 15715

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aattccatgt tcaaaccaac aaaagtcttt tctcttccat agttattacc gttacagatg 120

catagtttgt tcatctgaaa caggtttgtc cataagaaga caagctttgg agcaagttga 180

ttctaagttg tctagtggag acgaaagagc tgcattgtct cttgtcaaag atctccaagg 240

aaaacctgat ggccttcgat gttttggcgc tgcaaggcag gtgcctcaga gactctacac 300

gttggaggaa ctgaaactga atgggtatta acgcagcttc acttctctcg ccaacaagat 360

acaacgcctt ggctccatcc gaaaggaaac cttcaaattt gcancctgtc ctcaaggggg 420

gaaataagtt gccttggnaa agccctttga cttgaagt 458

<210> 15716
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-F6

<400> 15716

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tcactcacgg tgctctttgt tctctctatg tcggagatct ggatttcaat gtcaccgatt 180

ctcagcttta tgactatttc accgaggtgt gtcaggttgt atctgttcgt gtttgtcgtg 240

atgctgctac caatacttct cttggttatg gttatgtcaa ctacagcaac accgacgatg 300

cggagaaggc aatgcagaag ttgaactaca gttatctcaa tgggaagatg attcggatta 360

cttactcttc tcgtgactct tctgcccgta gaagtggggt tgggaatttg tttgtaaaga 420

atttggataa ntcagttgac aacaaaaact ctgcacga 458

<210> 15717
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-F7

<400> 15717

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aaaacagagt accaatctca gattcatcag ctccacttga atttaaagta gccataactg 120

ttcgatcata ggatggaaga agcaactcaa gtaacgagtt ctgaggtccc tgtagtgaaa 180

ggtgatgttg atgaccttaa gacagctgat atttccgtca aggctgtgaa tggagaagtg 240

ccaaaggagg agaaagaaga ggaagatggg gaattcataa aagttgagaa ggaagctttt 300

gatgccaagg atgatgcgga gaaagcagat natgtttcct gttgaagagc aaaagggaag 360

tttattgaaa gaagctcgag tggttcacaa gagagaacta catgaatcac aagaaaangn 420

aaaaagaact agaantcgaa attggaaaga ntgcaagg 458

<210> 15718
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-050-Q1-E1-G11

<400> 15718

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ttactattcc aaaactctca ggtttctcta ttgtatctcc caaacaagtt gaggtagagt 120

atgcagatgg aaccaagttc aatttttcat cagagtttct gagaattcat agtccagctg 180

ctgatggaaa agtcagatca atcggtggtg aaaaggtgat atctggaagg cggtatgtag 240

gaatcatgtc tgcagaaccg gttggaaact acggggttag tgtttgatga cttgcataga 300

acagggatat atccatggga ttatttctac gagcttggga gcaataagtt tggtcttatg 360

aggaactata tcaagactct tcaaaagcat aatctcagcc gtgaacctcc tccttcaaga 420

aagagatgat tctgatgatc aatgttagta tt 452

<210> 15719
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-G3

<400> 15719

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tcgtttcatc aagactcaat tcatcttcct ccgcatcttc ttcttcgttt cctaaaccaa 120

acaatctcta cctcaaaccc accaaantca tttcaccacc tctcagaaca acttcaccat 180

cgccattgag attcgccaat gcttcaatcg agatgtcgca gacacaggaa tcagctattc 240

gcggagctga atctgacgtc atgggtcttc tccttaggga acgaatcgtc tttctcggta 300

gtaagtatcg acgatttcgt cgctgatgct attatgantc aagttgcntc ncttaagatg 360

ctaaagatcc anagaaagat atcanactct ttaacaaatt cncccnggtg ggntctctca 420

ngtgcaacca atggggtata tngggatgtn ggntcnanct tgtganaagc tgatgg 476

<210> 15720
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-G8

<400> 15720

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tttcagattt caactgtcac cggaagttgg aaattcgttt gtgataggnt ctaaacaagt 120

atcaaagtct acaaattctg gnttaagcaa gttaaagact tgtgattccc ctgtatcttc 180

aacaacctcg tcttccaaaa ctttatccaa agacatctgt ggatagccat agcaagccnc 240

agttacatta tacagggnaa agnaccacnt aaggngttgc attccacaga aaatgtcaca 300

gtcgctttgt ttganaagtt tgttcngtgg attgttaaca ttccataaag tccaatangg 360

gatcttgcat angcttgctt acnctttttgt tcagntgcaa aagatcttcc angtgaaaaa 420

nggtantgag ttccccgatt catacangga aagtgttggg aa 462

<210> 15721
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-050-Q1-E1-G9

<400> 15721

ctccccatct ctttcgacag atctcttctc tctctcgtgt ttcacgaaac aatggcgact 60

caattcagcg cttctgtctc attgcaaact tcttgtctgg caacaacaag gattagtttc 120

caaaagccag ctttgatttc caaccatgga aagactaatc tatccttcaa cctccgccgt 180

tcaatcccat ctcgccgcct ctctgtttct tgcgcggcaa aacaagagac gatagagaaa 240

gtgtctgcta tagttaagaa gcaactatca cttacaccgg ataaaaaagt cgttgcagaa 300

accaaatttg ctgaccttgg agcagattct ctcgacacgg ttgagatagt aatgggttta 360

gaggaagagt ttaacatcca aatggccgaa gagaaagcac agaagattgc cacagttgag 420

caagctgctg aactcattga aga 443

<210> 15722
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-H11

<400> 15722

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aatgcctcaa ccatcgtcga aggcataaag aacacattga tcaaccatcc acgcttctct 120

agcatactgg tgactggtca tggtgagcac aaaggaaaag ctagatggat tccaacgaaa 180

ataaacgtag aagagcatgt cattgttccg gatatagatc ccaacattga gaatcctgat 240

gagtttcttg aagattatac atcaaacatg gctctttctc caatggatat gtccaaacct 300

ttatgggagt ttcatttatt gaaacttaaa acatcacatg cggaagctgt gaccgtggct 360

aagttccatc attctttggg cgacggaatg tctcctaagt cncntttact cgcctgtact 420

cggaaaacat ntattccgan ggattccc 448

<210> 15723
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-E2

<400> 15723

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cggcgccagt ggctgcatcg gctcgtggct ggtccatcag ctcctcctcc gcggctactc 120

cgtccacgcc accgtgaaaa acctccagga tgagaaagag acgaaacatc tagaaggtct 180

cgaaggtgca gccacacgcc tccatctatt cgagatggat ctcctacaat acgacaccgt 240

ttccgccgcc atcaatggtt gctccggcgt attccacctc gcatcacctt gtatcggtca 300

tgaagtccaa gattcccaga agcaactact tgacccggcg gttaaaggaa ccatnaatgt 360

tctgacggcg ggaaaaagaa gccaantgtt anganaagtt gttgtgacgt cttcganatc 420

cgcgaattac tccaaagttc caantgggcc tggctgnnaa agatnaa 467

<210> 15724
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-C9

<400> 15724

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aactttatta tacatttttc tcttcctctt taatatatat acattattac aagtttagat 120

ttcanaaaan aaagtcaaga agaagaaaga gctgagacga gaattgaagt gagaaagcat 180

gaggaagcgt caggtggtgt tgaggagagc ctcgccagag gaacttctac aagctcgtcg 240

acggcttcgt ctctgacagt gagaactgtg aggtacggag aatgtcagaa gaancacgct 300

gcngcggtng ggaaggttac gctgttgacg gctgccgtta agttcatggc aagccgaagg 360

agaagaaggt accgtggcaa cgctaaactt tcgccgcctg gtggctggca atcccaantt 420

tccaaccggn gaaaaaantt naaaacccaa ggnttntttt t 461

<210> 15725
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-D1

<400> 15725

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atgaccaagg agagactgtt aaaggagttt gctcaaattt cttgtgtgat ttggcacccg 120

gaagtgatgt taagctgact ggtcctgtan gcaaagaaat gcttatgcca aaggatccaa 180

acgccaccgt tattatgctt gccacaggga caggaattgc tcctttcagg tctttcttat 240

ggaagatgtt ctttgagaaa catgatgact acaagttcaa tggcttagct tggttgttct 300

tgggtgtacc aaccactagc tctttgctct accaagagga gtttgataag atgaaagcaa 360

aggcccccga gaacttcagg gtggattacg cgataagcaa gagaacaanc caangataaa 420

ggagagaaaa tgtatatcca gactccggtg gg 452

<210> 15726
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-D11

<400> 15726

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gaagatgaaa tggtagatct tattggagga gagaactctg tggatttgat aacggtggct 120

accgccgtac actggttcga tctcccgaga ttctacgcga tcgcgaatcg tctcctccgt 180

aaaccaggag gaatcatcgc cgtgtggagc tacaacactg acatggtggt gaatcccgag 240

ttcgactcgg tgatgactcg gttcatcgct gaaacgttgc cgtattgtaa attcccagag 300

agtcagtatt ttttggacgg atataagacg ttgccgtttc cgtttgagaa cgtgggtttg 360

ggctcagang gaaagcccat ggaactggag atgaagaaaa cggtgtcctt tgaaggantc 420

ntgcggatgc taanatcttg gtccgccgtt ggtgctgcc 459

<210> 15727
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-D4

<400> 15727

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cagacagact tatgtattac cacaaccagc accaaggaaa gagcatcctc tcttcatcga 120

gaatgcccat ttcttctgaa aggcatccgt tcctcagagg aaatggcaca ggagattctg 180

gactcattct ctccactgat gcaaagccac gactaaaatg gactccagat cttcacgaga 240

gatttgttga agcggtcaac cagcttggag gaggagataa ggctactcct aagacaatca 300

tgaaagtcat gggcattcca ggccttacct tataccatct caagagtcat cctcagaaat 360

ataagggcaa gncaagaatc ctaatgggac aagctaacag caagtttaaa caagacaagt 420

gtgatgacca tggtagaaag aaaaccccct gaagtngacg aaagtc 466

<210> 15728
<211> 96
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-D5

<400> 15728

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angggtagg aaccttaccg tgcacanacg tacggc 96

<210> 15729
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-D6

<400> 15729

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aaatgcactt tctgtctcga gatcatcggg attaagaaga atcctaacgg tcccatgtat 120

acatcactcg gtgtgatgac caggggaaca atcatcgagg tcaatgtgag tgagcttggt 180

cttgttacac cagctggaaa ggttgtctgg ggaaaatacg ctcaagtgac aaacaatcca 240

gagaacgacg gatgtataaa tgctgtttta cttgtgtaac caaatgtccg gcactgtcgt 300

agaagtatgg atagagacga gaggaaggcg agaatcatgt tggctagttt attttgtttt 360

ctcctgaaac aattttgtgt tatttcaagt ttttttatga atgtgtggtt ggtcttctct 420

tcacattaac tagctgctat gttagcttaa aagtaancca a 461

<210> 15730
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-049-Q1-E1-D7

<400> 15730

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cctacccaca agaaattaca aaagaccttg tgtccatcta ctttgtccaa agttcaagct 180

ttcccttacc ttgaagtctc tagcttcgtc gagaagaagg ttcagttcgc accaaaaacc 240

attgcgttca agtctttgtt ctccatctgc aagagctaca tcgactttct tgggggcgtt 300

aagttttctg cctccagaga tgtgtttcac gtcgttcatg tcaaattcac tttgatgacc 360

aaggcgatgg ttattgcaca agcacacatt gggagttgaa ggagacctcg ctgttaagtt 420

gggcaaaagc tacaccgtga 440

<210> 15731
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-D9

<400> 15731

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agagaaagaa acataagcct agcaaagaat cccggtacaa ttcattgttt gatgaattag 120

ttcctccctg tatttccttg gaggaagatg atagcagcag cgatgactgg ctttttggaa 180

caagtcggaa agaaaatgtt tcttctgcca agtcttctta taagactgat gaagacacga 240

tcatgagctt gcagacgtca agagattgtt cctctttgcc taaagctatg ttattgtctg 300

aagttggaat tttttcatta ccatatactg tcccgtttta ggtccataat ggtttggtcc 360

ttcccaacct aaccctaagg ccttaacctt gtacaagtta ncattggtac aaatcacagt 420

ggatcaanga aaacttgaac gatttccgga atttttgacn cnaa 464

<210> 15732
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-E10

<400> 15732

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ggaactgctc aagtctcctg ataccttga gggtaaaatg ttgggaagtt ttgtgaggat 120

caagtctgac cctaatgatt atcttcagaa gtacccttat cagcttgttc aggtgacagg 180

cgtgaagaag gaacatggga ctgatgattt tcttcttcag gttacaaatt atgtgaaaga 240

tgtttctata tctgtgctat ctgatgataa tttctcccag gaggaatgtg aagatttaca 300

tcaagagaat aaagaacgga cttcttaaga agcctactat tgtggagatg gaagaaaaag 360

ctaaaaaatt acataaagat caaacaaaac actgggcttg gaagagaaat tgaattgtta 420

aaaaggctta ttgatcgggc taatgagaaa ggatngcgaa ganag 465

<210> 15733
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-E11

<400> 15733

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gccatagacc cttcctcatc ctcgagtctt cttcttcctt ttcctcagat tttgagctcc 120

caacgcgctc ttggtcttgt agctaggcct tgtaatccac ttcgacgagg attatctagg 180

tttttatcaa gtcgacagct tttccgacga tccaaagttg tcaaggcagt agcaacccca 240

gaccccatct tggaagtacc tttaactgag gaaaatgtag aaagcgtttt ggatgaaatc 300

cgaccttaac ttatgtctga tggtggtaat gtggcattac atgaagatcg atgggaaata 360

ttgtgcgggt taagctgcag ggagcatgcn gattatgtca agttctacta tgacaatgaa 420

gatggtattg aacgtctcna aaggaaaaa 449

<210> 15734
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-E12

<400> 15734

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cttggcctga gaagttacgt taccaggtcc ctaaatgcat ggagatggaa gaccattctg 120

gaagcttgtt gtttcggaag ctactggttg ttctgataat gactacttcg aagacgtcta 180

ccaatattat gcgaatggcg aggcatggca tctcccagaa ggagcttatg agacaatgtc 240

actactgaaa gatgctggag ttaagatggc tgttgtgtct aatttcgata ccaggctaag 300

aaagctattg aaggatctta atgtcataga tatgttcgat gctgtgattg tatccgcaga 360

agtcggatac gaaaaacctg atgaacgaat cctcaaatcc tgcgttaaaa caaatcacct 420

naaattta 428

<210> 15735
<211> 379
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-049-Q1-E1-E2

<400> 15735

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gtttccaggt ttaaggcaag acttaagacc aaagaggaca agaatgcctt tgccaatatt 120

ctgaggaaga tctcaaagat acagaagaac gctggttctc aaaacttcgt cgttttgaga 180

gaaaagtgag gacttcctgt tttcacagct aactcttttc aaaaagattt caagatatct 240

catgagctag ttaaaataag aatgtttttc tcatttcttg atttcagatg tttaaagttg 300

gacctatttt tttcccatga cactattagt aattgaaaat cttcaaatgt tttattcgaa 360

aaaaaaaaaa aaagggcgg 379

<210> 15736
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-E5

<400> 15736

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tgtgctacgg cgaggcggag cggatgttac ggtggcttcc gttgagaatc aggtcggcgt 180

tgatgcttgc catggaatca aaatggtcgc tgatactctt ctctctgata tcaccgactc 240

ggttttcgac cttattatgc tccctggagg acttcctggt ggtgagactc ttaagaattg 300

taaaccttta agagaagatg gtgaagaagc aagacactga tggacgactt aacgctgcta 360

tctgttgtgc gccggcgttg gcgtttggta cttggggact actananggt aaaaaagcta 420

catgttaccc ggttttaatg gagaaac 447

<210> 15737
<211> 460

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-E6

<400> 15737

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cttccttctc agccattcca ttcacttatg cagattctgg aatgatcgga gttaactacg 120

gccgtatagc agacaatctt ccggcaccgg agaaagtagt tgagctactg aaaacacaag 180

gaatcaaccg catcaagctt tacgacaccg agacaactgt actaaccgca ctcgcgaact 240

ccggaatcaa agtcgttgtc tctctcccca acgaaaacct cgcttccgcc gccgcagatc 300

agagctacac cgacacttgg ggttnaggac aacatannag aattacattc cagcgacgga 360

tatcgaaagc aatcgccgtt gggaacgaag tgttcgtcga tccgaggaac acgacgacgt 420

atctcgttca agctatgaag aatgttcaaa gctctctcgt 460

<210> 15738
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-C8

<400> 15738

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aatnttcaga anagatcata acatctttca aacaanaggt atcattgatg aanaggctta 120

gacatccaaa cgttctgctg tttangggag ctgtggcatc acctcagcgt ctttgtatag 180

tgacagantt tctaccacga ngaacangtc aaaactagat ttgaggcgac gtatccatat 240

ggcatcanac attgctcgtg gcatgaatta tcttcancac tgtagtcctc ccatcattca 300

ccgtgatctg aagtcgtcaa atctactggt tgatcggaac tggactgtga aggttgctga 360

ttttggtctt tctcgcatca agcatgagac gtacctcact acaaacggaa ggggaacgcc 420

tcattggatg gcaccagaag ttcttcgaaa 450

<210> 15739
<211> 462

<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-049-Q1-E1-B12

<400> 15739

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aaaaggtttt accggctatt agatcctcgg ttagagggtc actactcgat caaaggtgct 180

cagaaagcca cacaagtagc ggcgcaatgc cttaaccgag actccaaagc cagaccgaaa 240

atgagtgaag ttgtggaagc cttaaagcca ttaccaaatc ttaaagactt tgctagctct 300

tcttcttctt tccaaacaat gcagcctgtt gctaagaacg gagtcagaac acaaggagga 360

gggtttgtgt cgagaaatgg accgccaatg aggagtttgt ctagcttaaa cttgcctcaa 420

gcatcccctt atcgttatgc ccgtcaatca ccaaagccta aa 462

<210> 15740
<211> 539
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-B2

<400> 15740

nnngnnnngg nnnnnngaan tggtntgcct gtgccctacc gctccggaaa tcccgngtcg 60

acccacgcgt ccgcttgaag attataaatt gacaaggaaa caacaggaag aggaaaagag 120

acgataccgg gatcaaaaga agatgcagga tctgttaata aagcggaggg aatcaattta 180

tggatcaaaa ccgagtccaa gaagaagcaa cagtgtaaga aagaccaacg gatacaatgg 240

ggatgcatct gtgcctccta cgccccgcag aaactcagct ggagcaacaa ataacgacat 300

aatgaccacc ccaagatcat actcaagcca tcgccaaaac ggatatttca aggaagtaag 360

aagactgtca acagctcctt tgaactttgt ggcaatacca aaggaagact ctgtctctac 420

atacacttcg gtttgcggct ctgaaccaga ttcaccgtta tataactaag tctcattagg 480

cagcanttgg ttcaaccaca agaacttgan atggagtagg anttgggagt tagataatt 539

<210> 15741

<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-B3

<400> 15741

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ttactctnag attttcctca anaaccttaa tcaatcgccg ggaaaatgaa tattccggtg 120

actatttcct ccattactgt ttctgaataa cgctgtttcc gacaatcgtc gtcatgtttc 180

ccgtgaaaat cgtcagcgtt aagaaaaccg tcacttatat ttttttttct tttcttcttc 240

gtttttgtga agatgatgat ccactgattt gagagtagta gcttgagagg tttttagtag 300

atttcgattt tgcgattatt tttgtttcct ggagagatnt cantttttg ccacttccga 360

tgatgaagat tcagccgatt aacaacgatt tgccggcgaa tagagtggaa tcatcaacca 420

aaccagtgct taaagtctcg tctcaagcgt ttaataaa 458

<210> 15742
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-B4

<400> 15742

nnnnngangg ttgccgtgct aggctccgga atccaggtcg accacgcgtc cggccaaatt 60

ataagtgaga gagaagataa cgacnacaag aagaanaagg agaagctcca aaattgttca 120

tttgcatttc tccaacttgt aaaatcgagc acctgcattt gggggctttc ctcttatctg 180

gaaacaaaga gagccgccac tgatggaatg agtttccgtg aatcatccac ccaggtgaaa 240

ggaatcataa tttggttggt caactaataa taaaaatggg tgaggcaagt gattcaaatt 300

cgtctgatga gtctttgaaa cacaatagca ncccaccact ctttagcatc tctggcttct 360

tttgtgttgc caaangagga gactctgatc ccggtaggag ccctacntct ccccttgatt 420

ttggagtcct tggtggcctc tttagcccaa gtcctcctcc tcctcaaccc tccaacgaaa 480

caaatngcnt tccacaaaat ccggccttcc cctt 514

<210> 15743
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-B5

<400> 15743

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gttcatgatc aaaaagaagc tagggaagaa gatgagacag aacagaccga tccctaattg 120

gatccgtctc cgtactgata acaanatcag gtacaacgct aagcgtangc acnggcgccg 180

taccaagcta ggattctaga gcactctcac cgtgactcag attcgtccga gtttcgtaan 240

tgcnttcttg tatcggaatt gtggtctttg acccntanaa gttttanttt tttgttaagg 300

attttgtggc ttanaactat gtntaagtct tagaacttga agaagagtgc atgattatna 360

attataanaa gttgaatcct ttctcctaaa atcngangcg gaaacnggtt tcacnacncn 420

ggnnaaaggg cgg 433

<210> 15744
<211> 533
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-B6

<400> 15744

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cgcgtccggg ttgagagggt tgccaacatg cttaactact tcttgctaca actcgtgggt 120

ccacagcgta aatctttaag cctgaaagat cctgagaaat atgaattccg tccaaaacag 180

ttacttaaac agatcgttcg catatatgtt aatctcgcaa gangagacac agtaaacata 240

ttccctggtg ccatctccag tgatggccga tcatataatg aacagctatt caatgcagga 300

gcanatgtgc ttangagaat atgtgaagag ggaagaatca ttcaagagtt tatggagtta 360

ngcacaaaag ccanagctgc tgcttctgaa gctctgggat gctgaagctg cacttggggg 420

aaataccang acgagttcct tgacccaant cagtacacgc taatgagaga tccagtaata 480

cttccaagct caagaatcac agttgatcgt cccatcattc aacgtcatct tcc 533

<210> 15745
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-B7

<400> 15745

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tgtaactcac gcaacaactc gatttcatcg gatgatgagt accgttcatc acccaacata 120

gctataagtc ttttaagacg ttacaggacc gtgattggac gcggtgaagg cgaaacctta 180

aaagaattca tatccgctgg tgtgaatgca tatgccgctc ggctgcacag atgaagattt 240

gagaaaagaa ctaatggcta tgaaagattc gggtttagag attgagagaa tggagaatta 300

cggcggaagc acacagacta aatccaaaat tacgctgtct gaggtagatg aatgcatatt 360

gtggcttang attgtattca tcacgatctt gtgtacgccg caaccaacag tcataagatg 420

gtcatcgact ccttcgg 437

<210> 15746
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-B9

<400> 15746

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tttttacgat caaaatcgac ccggtggaat tcagacacgt cttttagata gagatatgtc 120

ttgttcatct tcttccggat cagaaggaga agaagagggt ttcgatgctt accgtaaagg 180

tggttatcac gccgtcagga tcggcgatcc tttttccggt ggtcgttaca tcgctcagag 240

aaagcttggt tggggtcaat tctccaccgt ttggcttgcc tacgatacgc tcacctctac 300

ttatgttgct ttgaagattc agaagagtgc acaacaattt gctcaagctg cacttcacga 360

aaatccaaat tcttcanctg ctgctgaagg ggatctcgac aagacgaaat gtgttgttcg 420

tctaatgacc attcaagcat aattggtcca atgggcanc atttatcatg gngg 474

<210> 15747
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-C1

<400> 15747

acactgcaac agaagaagag cttatggaac attttagcac attcggtaag atatcagaag 60

tccatcttgt tcttgacaag gagacaaaaa ggtccagggg aattgcctac atcctttacc 120

tgattccgga atgtgcggca agggcaatgg aggaattaga taactcaagt tttcagggcc 180

ggttgttgca tattttgcca gctaagcacc gtgaaacatc tgataaacaa gtgaatgaca 240

cttctaacct gccaaaaaca ttcaagcaga agagagagga acaaagaaag gcatctgaag 300

ctggtggaga tacaaaggct tggaatagtt tattcatgcg acccgatact attctagaaa 360

acatantcag ggtgtatggt gtaagcaaga gtgagttact tgancgtgaa gctgaaaatt 420

ctgccgtacg c 431

<210> 15748
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-C11

<400> 15748

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caattcttac acgtatcttc gctggacacg taggaagctt cgaactcgcc gccgcttcac 120

ttgggaaaca gtggtttcaa catgttcacc taagggactt ctgcttggga atgggaagtg 180

cagtgggaaa cattatgtgg tcaaagcaca tgggagctca tagatacgaa atgcttggga 240

gtttanctcc aaagatnaac agttgttcta atcctaacat gtctaccaat gtcatttctc 300

ttcctcttct caaatccgat tctcacagca cttggagaac cagagcaagt ggcaacattg 360

gcttcagtat tcgtctacgg tatgattccn gtgatcttcg ccntacgcag tcaanttccc 420

taaccaaaaa tttctccaat cacaaagcat cntcaatcca aagtgccaaa aaat 474

<210> 15749
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-C4

<400> 15749

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actgttgttt ctctacaatt tggatatgct ggattgtcga tcatagcgaa attcgcactg 120

aaccaaggca tgagtcctca cgttctagcg tcgtatcgcc atatcgtcgc tacaattttc 180

attgctccat ttgcctattt cttggataga aaaatacggc cgaagatgac gctatccatc 240

ttcttcaaag atattgttgc ttgggttatt gggaaccaac aattgatcag aacttatact 300

acactgggta tgaagttcac tttcgccact ttcacagctg caatgacaaa tgttccttcc 360

tggcctttgc ccttaataat ggcatgggat tctttagacc ttgagaaagg ttaacgtcca 420

agaaaaatnc acaagccaag ccaaagantc c 451

<210> 15750
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-C6

<400> 15750

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atggtgagat taagcttggc gattttggtg tctctgcttg cttgtttgat aacggtgata 120

ngcaacgtgc tagaaacaca tttgttggta ctccttgctg gatggcaccg gaagttttgc 180

agccgggaaa tggatacaat tccaangctg atatctggtc atttggtata acagcanttg 240

aattggccca tggtcatgna cctttctcaa aatatcctcc catgaangtg ctcctaatga 300

ctattcanaa cgcacctcct ggccttgatt atgaccgtga taaganattt tctaagtcct 360

ttaaagaaat ggttgcaatg tgtttggtga aagataaaca ttaaggcaac tgctgaanaa 420

ctgctgaaca ctcctgtttc aanca 445

<210> 15751
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-C7

<400> 15751

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aacaagcaca acaacaagaa gaagctagat acgaatggga tctttctctc tccaccgtcg 120

tatcttcctc ctcctcctcc gcctccgacg ttatcggagc tattgaattc gatcccactg 180

ataacatcgt cgctaccgcc gggatttcaa gaaagattcg tttttacggc ctcccttctc 240

ttttacgtaa caacgctgtc tccggtaccg gagtttcctt cgtcgatcaa gccaccgcct 300

gcgaatatta catctgtact ccggcgaaac ttagtagtct ccggtggaga cccgggtcgg 360

gcggtcgggt tattgggtcg ggagantacg aagggcgtag tgatggagta cgattcttga 420

gaagaggacg ccggtattcg aaagggacga gcacgt 456

<210> 15752
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-B11

<400> 15752

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gcgacggcgt aatggccgga ggaatcgtct caccggcctc tctactcgac ctaatcgctg 120

atatcgtcga gattccactc aacaccggaa tgttcaagaa ggattgcgca gatctcactc 180

gacgagtttg tctcttaacg catttgttag aggagattag agactcaact cctatcgatt 240

ccgccgcttc gtcgtcgtcg gagaatgatt ggtggtctga tctcgtggtc ggacttcaaa 300

gccgcgaanc gtcttctctc caaaagctcg aatccaagct cgcgaatcct ctgaatggtg 360

ctgcgaagag aaactcaatt caatttcaat gtgttacatg gaagcttgag aaaagcantg 420

agcaatcctt ccaaaatgat cttaagaaan cnccgacaaa ntttgggnaa anat 474

<210> 15753
<211> 544
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-H11

<400> 15753

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cgtccgcgga cgcgtgggct aatttcggat tttgcatctt ctccgatcat cttcaccact 120

atgggtgctt catcttctac agacgacaaa gaatcatcgg agaaacgaga aatcgaaagc 180

cttgctgctt caaccggagc tcttcctctg cttaaacgat ccttctccaa actcgtcgat 240

tctcaaacca atactgttcc ttttcaatcc ttgaagcaaa gttttggttt gagctacgat 300

acaattacta ctgaaggaga gcanaaagtt tcagacttgt ttcccaaatt tgttgggagc 360

atttangatc atctttangt acatttgttc ntcgtgcctg ataanagaaa ggatgagttg 420

ggtttaattt ggctaagtgg gttatgtcca aatgttgtgg aangaatgtn cgaaatccga 480

tgtcnttcaa cactttggtt gaaganntta ccaangtgac aagcttaaaa atggcnaggc 540

nttt 544

<210> 15754
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-H2

<400> 15754

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atatataaag ctaaagattt cttcacgtaa tgggtttgaa agatattggg tccaaattgc 180

caccggggtt tcgatttcat ccaagtgatg aagagttggt ttgtcattat ctttgcaaca 240

agattaaggg ccaaatctga tcatggtgat gttgatgatg atgatgatga tgttgatgaa 300

gctttgaagg gttctactga tcttgtggag attgacntgc atatctgtga gccatgggag 360

cttcctgatg tggcaaagtt aaacgcaaag gaatggtacn tcttcagttt ccgtgatcga 420

aaagtatgct actgggataa cccacgaaca agagcgacag taagcgg 467

<210> 15755
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-H5

<400> 15755

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acgtgcaatt aggattgcag caaggttagg attcagcttg actaaagacg ttgctatttc 180

tgtgaaggag ctttcttctt cattactgag acttgaccct tcaaggattc ggatggaaat 240

caattatatg ctggcatatg ggtccgcaga agcttcttta cggttattat ggagatttgg 300

cctcatggaa attcttctac ctatccaggc atcttatctt gtttcccaag ggttccggan 360

gcgtgatgga aggtccaaca tgcttctgtc gctatttcgc aaccttgacc nacntgtagc 420

acctgattga ccatgcagcg nagttccccc gggaatgggg atcntat 467

<210> 15756
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-H7

<400> 15756

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caaaacagtg atctctgcat ccaaaaactt ctctttgatt ggccattcag aatcatactc 120

agagttcaga agctagctac tactaatagg ccaagcgttt tacatcatca agaacaagaa 180

caagaacaag aacaagaaca agaagagaag actatggttg ataaagataa gaactcggaa 240

ttgatggata gagttaggtt gttggaagta gctgttgagc aagagaaagt actaaagctg 300

ctttaatggt tgaattggna caaagaaaga gcagcttcag catcagcagc tgatgaagct 360

atggctatga tttttaaggc tacaagcgga taaaagctcc nttgagaang gaaggggaag 420

cantatgnag agaatgaatt ggattgagag 450

<210> 15757
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-A1

<400> 15757

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aatttagaag aagatcgaag aatttgtttg ttgtttatct tcttctataa aaacaaaccg 120

tggggtctgt tttcatttct ggccttgcga ttccgataaa antctcagct tcccattcaa 180

tccaatccaa ttccacttct caaacatata tagaattcta tatttttgag agacagttta 240

ctttttcncc ttctctctct ctctctcttt ctctttctct gtctctttgg cttttctcct 300

cctgttctca tggaagcttc acccaatgat cgacttcant ttggcaaaat gggtttcggg 360

tgtaagcatt agagaggana tgccaaatca ganctcatgt tgcaacgaaa tctcnantgt 420

cgccattgtc acaacgagag cacgaacaca ttgtg 455

<210> 15758
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-A10

<400> 15758

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agtggtggac acatctttaa catggatggt gctggctctg gangttcaag tactcctctc 120

actgccgtat atggttcaac aaaatgtgga cttaggcagt ttcatgggtc tatagtgaaa 180

naaagccaan aaacaaacnt tggccttcac actgcatccc ctgggcatgg ttctgacaga 240

acttcttctc agtggttcga gcattaaaaa caagcagatg tttaacataa tctgtgagct 300

tcctgagaca gtagctagaa ctttggtacc acgaatgcga gttgtgaaag gttcgggaaa 360

agccgtcaat tacctaactc ctcctcggat attgttagct attgtcactt cctggctaan 420

gagaaggcga tggtttgatg ancaaaggac gggct 455

<210> 15759
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-A11

<400> 15759

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nccngaaaaa ngccaatccc angaaaaaca aaaaaatttc ccgccctngg gggtttnccc 120

caaaaaaggc ccggggcggt tcaaaagaat tcaaaacgga aaaacgggga aagttccggc 180

gggggaagaa tttaagaacc aattaatccc gaagattacc ggagtttgct aacgatgtcg 240

agagcagatc gcctggaaac gcaaatacgg aaatacaaac ctaactgagc acaaatgtag 300

aattcaaaac gaatgtcnca gcatacatat atgcctggtg tgcaaggaca aaggtttnaa 360

tgtgcaatgt ntaatctgga gaatatacaa taagtgacan actntntaga cacagatnca 420

ggaaaaatna nggc 434

<210> 15760
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-049-Q1-E1-A12

<400> 15760

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gtcttgtgtc tctagaaaaa ttggattttt cggagatttt atgtcacatg gtggtaattt 120

taggctattc gcggcggctt ctccagcggt tgaaactagt gtaaaggaag acaaacttcc 180

agctgatctt aaggtcacgg agactgtaca ggcgaattca agtgtgaaat tgagtgtgga 240

agttccagaa attgtctgtg aagattgtta ccaacgagtc cttaccgaat tcatgaaact 300

ctcaaaggtg cctggattcc gtcctaaaac aagagttcca gagaatatta ttgttggttt 360

cgttgggagg caatatgttc tgagagcaac tgttgaatct atcttaaaga gaacacttcc 420

tcacgccatg gaatcagtga ctggga 446

<210> 15761
<211> 524
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-A2

<400> 15761

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ccangcgtcc ggtcccttcc tgtgaccaag caccctgggt caagaagttt tctctggttc 120

aacttgtaaa caaggagaaa tcgaagcggt tgttatagcc actggagttc acaccttctt 180

tggtaaagct gctcaccttg tggacagcac taaccaagtt gggcacttcc agaaagttct 240

tacatccatt ggaaacttct gtatctgttc tattgctatt ggtatagcga ttgaaatagt 300

cgtcatgtac cctatccaac accgaaagta cagagatgga attgacaatc tcttggtcct 360

cctgatnggg tggtatcccc attgctatgc ccacggtctt gtctgtgact aaggctatcg 420

ggtctcacaa gttgtctcaa caaggtgcta tcaccaaacg tatgacagcc attgaagaaa 480

tggcgggaat ggatgtcctt tgcagtgaca aaaccgggac acta 524

<210> 15762
<211> 538
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-A3

<400> 15762

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acgcgtccgc gggangcgtg ggggaatccc ttttctcgaa gcacatggtg ttactacata 120

caatgtcgaa accaatcatc gtgatgttgt atttattaaa gactgtcaat gaccaaccag 180

gtgcctacat taagggaata aaacatggca aagctctcat tcgggtttcc attggtgata 240

atctcaggaa atcagattac gttctggttt cagttggggc gcatatcttt cctcaaaacc 300

cggtcattca cantgggcaa tttgttaaat ttcagcataa cangggctga taatgaagtc 360

actggtcaat ggtttacatc ancacacgaa gtgtcatatc cgtcaaatgt ggcatctggc 420

caaagctaaa gcgatcagcc aangntcaac tcncgttaca tttanatgtc atggtttgaa 480

actgcacnca nnagtcacag tgctatttgg aaacaccata tgtcgactct ccaggaga 538

<210> 15763
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-A9

<400> 15763

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ggcggtttct tcttcttcgt ttctatcgac agcttcacta accaattcca aatccaacat 120

ttcattcgct tcctcagtat ccccatccct ccgcagcgtc gttttccgct ccacgactcc 180

ggcgacttct caccgtcgtt caatgacggt ccgatctaag attcgtgaaa ttttcatgcc 240

ggcgttatca tcaaccatga cggaaggcaa aatcgtgtca tggatcaaaa cagaaggcga 300

agaaactcgc caagggagag agtgttgtgg ttgttgaatc tgataaagcc gatatggatg 360

tagaaacgtt ttacgatggt tatcttgctg cgaatgtcgt cngagaangt gaaacanctc 420

cggttggtgc tgcgaatgga ttgttagctg aganngaanc cgagatttaa gaaactcna 479

<210> 15764
<211> 534
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-B1

<400> 15764

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cccacgcgtc cgcggctttg cgtcttttga gctctctccg ccgtgatcaa tctccgtgaa 120

tcgcngccac tctctcggtt tcaatggctg atctcgatgt tcctcctcaa gttcctcaaa 180

gtaaaactag agaccttgac aagcttcttc tccgtcatgg gaatctcgtt gaccccggct 240

tcgtacccgg acccggcctg agggatgaca taagggatta tgtgagaatc ttggtgattg 300

gtgcgggtgg gttgggttgt gagcttctca aggatttagc tctttctggt tttcgtaatc 360

tcgaagtgat tgatatggac cgtattgagg ttactaatct caatcgccag ttcctgttca 420

ggattgaaga tgtaggaaag cctaaggcat aggtagcagc aaagcgtgta atggganaaa 480

gtgantggan taganattgt gccgcatttt tcacgtatng aagacanaga gatt 534

<210> 15765
<211> 205
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-049-Q1-E1-B10

<400> 15765

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ttatgtatgc agagctttat gctcagtttg taacctatag gtcttacttg gattgtaagc 120

caagcaataa gacaacatca aataaaaggg gatttggttt tctggggtta aaaaaaaaaa 180

aaaaaaaaaa aaaaaaaaag ggcgg 205

<210> 15766
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-048-Q1-E1-G9

<400> 15766

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tttcattttc tctcattttt caccctcaac ttccaaatct ctgacagaaa agcccttatc 120

tttctcaccg tcggcgagtt tgccgactct cacggcggag agacttatca aaggattcaa 180

tttgatgcct acacgcgacg tcaatgtcat cgatgaagaa ggttctgagg ctccgagact 240

ggtcgagaga gcattcgatt tgccggcggc ggttgaccgt cgtggctccg gtggttctcc 300

gtcggttcaa gattttggtc accatgctgg ttactacaaa ctccctaact caaaagcagc 360

aaggatgttc tacttttttct tcgagtcaag gacgaacaaa gccgattcag tggtgatttg 420

gctaaccggt ggaccaagtt gcaatagtga actggctcc 459

<210> 15767
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-D2

<400> 15767

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atattttcat cattctgttt ctccatcact ctttctcgtc cactcgacaa tgaactcatc 120

atgcaaaaga ggcacatcga gtggatgact aaacacggcc gtgtctacgc ggatgtgaag 180

gaggaaaaca atcgctacgt tgtgttcaaa aacaacgtcg aacgcattga acatttaaat 240

aagcattcct gccggaagaa ctttcaaact tgcggtaaat cagtttgctg atttaaccaa 300

tgacgaattt cgttccatgt acacnggttt caaaggtgtc tcggcattaa ctagccaaaa 360

gccaaactaa aaatgtcgcc cgtttaagta ccaanaccgt ttccttctgg gtgcctttgc 420

ccggtttccn gttgaccggg aaggaanaaa gggagctgtn gg 462

<210> 15768
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-D3

<400> 15768

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gaatctccga agaattctct gatcccgagc ttcctctatt catcatcttc atctccgaga 120

tctttcctcc tcgaccaggt gctcaattcc aactccaacg ctgcattcga gaaatctcct 180

tctccggccc cgcgttcctc tcctacgtcg atganttctc ggaangaatt tccttattgc 240

atctcccacc ggagccaggg aaggggatcg agatgtattc acctgccctt ctangctgcn 300

tgtacctttg gtggaattct cagcngtggt cttactcaca tganccgtga ctcctcncga 360

tgtcgntcan gtgcaatatg nagagttgat tcangcgagn gtagagnagn catntccgtn 420

nggttttgga atttttggcn gnnana 446

<210> 15769
<211> 72
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-D5

<400> 15769

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cgtgtacgcc ca 72

<210> 15770
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-D7

<400> 15770

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acgatgctcc cgaccccatt atcaatgctt gcaatggctt ctactgtgat tacttctccc 120

caaacaaggc ttacaagcct aaaatgtgga ccgaagcctg gactggatgg tttacaaagt 180

ttggaggccc agttccttac cgcccagctg aagatatggc cttttccgtt gcaaggttta 240

tccaaaaggg tggatctttc atcaactact atatgtatca tggtggaana aactttggtc 300

gaactgcngg ntggtccgtt tatcgcaact agctatgatt atgatgctcc tcntggacga 360

atatggacct tgaaanggca accctaagnt gggggcaact tgaanagatt ttcngaagnn 420

caatg 425

<210> 15771
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-D8

<400> 15771

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acaactcatt atctgggccc tttcctgctt ctctgtctca aatccctcac ctctctttct 120

tagacttgtc ttataacaat ctcagaggtc ctgttcctaa atttcctgca aggacattca 180

atgttgctgg gaaccctttg atttgtaaaa acagcctacc ggagatttgt tcaggatcaa 240

tcagtgcaag ccctctttct gtctctttag cgttcttcat caggacngta ngaccaacat 300

attagcantt gcacttgggt gtaagccttg ngcttttgct gttagtgtna ngccgnctct 360

cgccggngtt aagttgggta tcnnanagnn aacanganac gggtaagcga atnncttccg 420

caagtaactg acgaggcanc gaggaaantg ggttacttgg ggttggggaa aatcg 475

<210> 15772
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-D9

<400> 15772

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cttggtatcg acaaagctgg gaagacgaca tttttggaga aactgaagac gatatactca 180

atctcggaag gtcttcctca tgatcgaatt gttcctactg tggggcttaa tattggtcgc 240

attgaagtct ccaatgctaa aattgtgttc tgggatctgg gaggtcagcc tggtttgcgg 300

tctatttggg agaaatacta tgaagaagca cacgcgttga tatatttgat tgatgcagct 360

tgcccaaccc gctttgaaga ttccaaaatc cggcttaaga aaaagccctg cggcatnaag 420

gatttgcaag gag 433

<210> 15773
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-E1

<400> 15773

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aggagcaaag agacacagaa aggttctaag agacaacatt caaggaatca caaagccagc 120

gattcgtcgt cttgctcgta gaggaggtgt gaagagaatc agtggattga tctatgaaga 180

aacgagaggt gtgttgaaga tttttctgga gaatgtgatt agagatgctg ttacttacac 240

tgagcatgcg aggaggaaga cggtgactgc tatggatgtt gtttatgcct tgaagagaca 300

aggaagaact ctatatggat ttggtggttg atcaatttga gatctgggtt ttctggtgaa 360

tgatgatgat ttaagtccnt gcgatnaaga aattccaaga aattgggttg aantttaagg 420

gttccgtttt ggtgttgtaa ttaagggcan cat 453

<210> 15774
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-E10

<400> 15774

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tttgcgtcat catcaaaccc tanaagaacc ctagttcttg tgggccgtac tggaaacgga 120

aagagtgcga caggtaacag tatccttggg aggaaagctt ttaggtcaag agctaagaac 180

tgtaggagtg acaagcacnt gcgagtcaca gagagttgtt caagaagatg gtgatatcat 240

taatgttgtt gatactcctg gtttgtttga tttgtctact gcagctgatt ttattggtaa 300

agagattgtg aggtgtatan gtttggcaga agatgggatt catgcgatct tgttggtatt 360

ccctggtaag gcggcttgcc gaanaaggag caaacggngc ttatttttctt gcaaaccncn 420

atccgncatt aaaanttncg gacaaaagga ttgnt 455

<210> 15775
<211> 90
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-E11

<400> 15775

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gttgtacntt tgatttcaaa tcggcgggac 90

<210> 15776
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-E3

<400> 15776

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ttttgatgaa attggattac gatggctggn tatcctacta atggatcagt ctacgtttca 180

aatctcccct taggaactga ccgagaatat nttggctgac tattttggga ccattgggtt 240

gcntaagaga gacaaacgaa ctggtactcc taangtatgg ctgtnccggg ataaagaaac 300

tgatcaagcc cnagggaaga tgtacctggt tagctatgag gattccgcat gcggcntttg 360

gntgcntgtt gaatnggntc aatacacaga natttcatng gaaancacca ttggcgagtt 420

tntatggccn nagtncnaac aattaaaaan gctgggngga tgccgg 466

<210> 15777
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-E6

<400> 15777

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ccttacgtat ctcgaggacg aggactaagt ggaattgata atggggctgg ttgttcttgt 120

tctcgtagtg tcacgacaat gattggtaat gaattcattc gatgccaaga tgagtcaaag 180

atcttacagt tgcagattgt tgatgccctt cgttcaggag agaggcaagg agcgtcagca 240

ttgcttttta agttaataca ggggaattat tcacttagtg ctgatgattt tcangatatc 300

natannangg tgctcnnatn accggattct gtggnaagtt tgatatagga caaagtcccc 360

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gggctgnaga 430

<210> 15778
<211> 330
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-E8

<400> 15778

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aaagctgggt ggctttanac atgcagggcg agtcaatggg aaacttaaat ctatcacgaa 120

gctatccggt gacatggaat tcaagcagaa taagtttttg ccatctgaaa agcnaatagt 180

taccgctagt ccagatgtta acactggttg aactctgtga tgangatgat ntccttggtt 240

ctttgcctgc gatgggaatt tgggattgca tgagcgaagc canccagctc cgttgatttc 300

anncagtgaa caattngaan ntcaagttna 330

<210> 15779
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-E9

<400> 15779

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ttcaattctc cactccttca cacactcctc accttctcca tctccctcac tcacaattca 180

accgtcctct ctcctctatc tccttccgtc gcttccctct aacaaccatc aaatacactt 240

ccatcagagc ctcctcgtca tcatctcctt caccggatct cgattcatcg tcctcatcat 300

catcctcgca agtacttctc tcacctaacg gtactggtgc tgtgaagtct gatgagagat 360

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gaagctgagc ttaanggaga ag 442

<210> 15780
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-F1

<400> 15780

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gcattgcttc accgcgaaaa cggcttgcgc ggttcttgat gttattggtc ctccatactc 180

tgatcccnca ngacgtcatt gtacttacta tttcgattat ccgttctcta antttctcgg 240

gtanagtttt cgaaactttt tctatgantt gtgttagaat ctanctacta agtaagtact 300

gtagtanggt tnaacataaa caccgagctg attttcataa taacctgaat nngggaaaaa 360

nnatttgatn acnngataaa ccacaccaac cagctgaatg accttgtata ttggaagaaa 420

tacttcaana tatgaatcan tgttganatn antna 455

<210> 15781
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-F11

<400> 15781

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aaaaccgatt caaattccga cggagcaacc gtctccgccg caacggccga atcgatgcac 180

cgtatgtagg aaacgggtcg ggttaaccgg gtttatgtgt cggtgtggga cgacttttg 240

tgggagtcat aggtatccgg aggttcatgg ttgtacgttt gatttcaaat cggcgggacg 300

tgaagagatc gcgaaagcta atccgttggt tattgcggcg aagcttcaga aaatatgaat 360

cggagccgtt gaccgatttc tatctttacc ctgagaaaat ttcgattgtc ncgggtggat 420

ctcancccgt tcaatangtt aatgtat 447

<210> 15782
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-D11

<400> 15782

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cttcaacttc actctcttct tcttccattc actgaactca aaccaccccc tgtgagctat 120

gacccaccaa acccatcagc gtcgtcgccg tcgtcactcc gccgtctgtc accgtcatcc 180

ttcttccaaa cccaccactg gtttctgtgc cacctgtctc cgtgaacgtc tctctaccat 240

cgaagctcta tcttcctctg tctcagcttc cactgagctc cgccgtgttc gctcctactc 300

tgttcgtgac gcatccgctt ctgttttggg accaagccac gaaggcagat tgtgtgatgt 360

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<210> 15783
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-F12

<400> 15783

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ctccaggagg taaattgacg taccagacca ctaagaagag agctagtgga cctaaatgtc 180

ccgttaccgg caagcgtatt cagggtattc ctcacttgag gccaactgag tacaagaggt 240

cacgtttatc aagaaacacg aggaccttga acctncctta tggttggggt ttngtctngg 300

ttcncctgta gggnaaagat ccatncttgc ctccctgggg naggacaaaa agatgtgaag 360

aangntttgg aacttcnana gggaaaagga aaaggtgctn ccnagttntt cnanaacccc 420

antannttt aggttttaan ggcnccg 447

<210> 15784

<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-A8

<400> 15784

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tctctcttct ctctctctct ctccctgatt aaacctctaa aatcagggag ttttttttctt 120

ctggtttcgg attctcagaa aaattagcaa gtctttgtcn tttgctgctg gttgcatagc 180

ccccattgaa gctttttcct ctcaatctta atgttctcaa gagggcttct gcagcaagcg 240

aaatgggaca aagaaatagg aatgttgatt tagaaatgga gcagcagcaa tctcaagctt 300

ctctccaagc agagccttgc atccttttag gcaagctttc cgcaacaacc ggatantaat 360

aatatgcctg ctatggttgg acacgtncnt aattgngaac ctcattctcg tcaagaccca 420

acttatgaca nctcgggcca tgttg 445

<210> 15785
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-A9

<400> 15785

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gggttccaga tttactcttc gtcttcctct cttcgcttct tccccactgg gattttcctt 120

ttcttctcct tttttctcta cccatcgatc tacacatcct gatcttctta gaagccccaa 180

tccttataca ttccgggaac aaaaaaccta gcttttttt tattccggct taaccagttt 240

tcgaaaaacc ctagcttcca tggcgaaaac tcgacctggt gtcgcctcca aaattaagac 300

gggaaggaag gagctggact cttanaccat caangggcac caagcaaagt tgtgaagagc 360

gggaagattg tgtgttgatg cgccccatca natgctggta agacannana tgntggcccg 420

tgttgagaaa gattgaag 438

<210> 15786

<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-B1

<400> 15786

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gatcaatctt caaatcaatt gttgttaaaa taaatgggat taaagcgacc ttatgatgct 120

gaagagatgc aaaagtgcaa tgctaagcat gcaagacagc ttagttacaa aaaccataac 180

caatttgacg aagctattcc atatcatcat gcttctatgg agaanaagac aaatgtttta 240

gaggatctga ttggtctctg tgagaatcct acgtggacta atgatgcaaa tcacgttgac 300

aagggttttg aaacaaccgg tttgtgtcag gaagattccc agtctggagt gacgacgcag 360

tcagttcttc ncatcaantc tccgggttca catttcacct gggaagccan ttggaagatg 420

tttaa 425

<210> 15787
<211> 321
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 15787

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gtcaacattt tagtccatgg agttcttgga tttagccgga ccgatccttc cggtgagatc 120

gttcgttatc tcntctctat catctccatg ttcatcttcn cctaccttca acaagccacc 180

aaaggcnggc tttataatcc nttgancgct ttggctgctg gatcccnngt ggcntcagca 240

gttcaagctc nccgtctncg tccgatnccc ngttcnaagg taataggttc actnctttcn 300

ggttaacnat atcantncan t 321

<210> 15788
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-B4

<400> 15788

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gctggtggca tcattaaact taccgagctt ttcagacatt catgtggaag aattttactt 120

gaaaggaact ctggatctga gatcattagc agaactgatg gcaagtgata aaaggtctgg 180

agtaagaagc cgtaatggaa tgggtgagcc tcgacctcaa tatgaatctc ttcaagctag 240

aatgaaggcc ctgtcanctt caaactccaa cccaaatttt agcctcaaag tgtcagaagc 300

tgcaatgaat tctgccattc cagaaaggat ctgctggaag tactgcacgg acaattctgt 360

cctgaaggtg gtgttttaca nggtccatta cgtgaaagat tctggaaaaa ggggggatac 420

atncgagaat tgtt 434

<210> 15789
<211> 210
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-B5

<400> 15789

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gtgtttaagc aaatganatg cantgtgttt gattttgaga tttgatggaa gtgaagctgt 120

ttcttcaatg aatttcatgg aggttttann ttccctgttg tcagctcttt gttaagtact 180

cttagnntcg tcatttccgn gggtttccgt 210

<210> 15790
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-047-Q1-E1-B6

<400> 15790

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cctttcattg gaaccatcca atggctccgg caaggcttag gtggactcaa caactatctc 180

cgctccgtcc accaccgtct cggtcccatc atcacccttc gcatcacttc ccgcccctct 240

atattcgtcg ccgatcgttc tcttgctcac caggctctcg ttttgaacgg tgccgttttc 300

gccgatcgtc caccggcagc tccgatcagt aaggattatt tcgagtaacc aacataacat 360

cagctcttgt ttatatggag ccacgtggcg tcttcttcgc cggaatctca cttctgagaa 420

tcttcaaccc tccgcgcgtg aga 443

<210> 15791
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-B7

<400> 15791

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atctctcaat ctgtaagaag aagattccca cttcagtaaa agccctaact ttacttggga 120

aagttcttca tctatcatcc ttcaatcgtc atcatccatg gctgatcaac aaaccctana 180

ttcctctact cctcctccta ctcaatccga tgatcnatct cantcccact ctacttcctc 240

tactacttca gcttcttctt cctcagatnn atcagcttga ggtctctcnc cttaagtcga 300

ctcaacgccg gagctcctga gttcgttcct ggtcgagcta ctccttcggt gncntcaaac 360

ctcccgaggg atgaatagcn ngccnccgtc cgggcgnang ggtgtgnttc agantgtgnn 420

na 422

<210> 15792
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-047-Q1-E1-B8

<400> 15792

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ccaatccaca tctcatttct cctcttcctc cgactcctcc ggccgtggtc gtggacgcgg 180

ttccggtgaa gatggaggat ttcccgccgc tggaagagga caattcggtg taaatcgtga 240

accggtggtt cctggacgtg aaccgtcatc tgccggaggt tatggtcatg gtcgtggtcg 300

tccgatccaa tctgattcga tttctcctgc gtttacgtca tttgtcaaat caagattctc 360

ctagtattgg ccgtggaaga ggatccgttg gatcagacac cgtttcacct ttcgctgctg 420

aacctcctcg ccaatcgcg 439

<210> 15793
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-047-Q1-E1-B9

<400> 15793

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tgggtttgtc gtgacgtacg cgcactctaa tccgaagata atcaatccga agaagaagtc 180

gaggtatggg caaacgttat ctccatatga cagtgatgaa gatgatgatg atgatgatga 240

tgatgatgat gatgactggt tacttaatga tgatttcgct gaggttacag agtatgagaa 300

gaagaagcct aagtcacata agcaaaccat tgctaagaaa agtgtgaaga aagggattgt 360

caagcctgaa agaaagtgaa gactgatgaa gatgatcttg atttaagcat taatcctaat 420

gccacttctg agaaaaag 438

<210> 15794
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-C10

<400> 15794

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gtccggttan aaacccgaaa acanagaaca ttcgtctcta cgtgaagcgt gtgtttatct 120

ctgacgattt tgatggagag cttttcccga gatatctgag ctttgtgaag ggagttgtgg 180

actccgatga tcttcctcct aatgtttccc cgtgaaantc tccaagaaga gcagaattgt 240

aagaatcntg agaaagaggc tcattagaaa aacctttggc atgatncang aaatctctga 300

gagtgaaaca angnggnttt caggaaattn cggggaaaan ttngggaaat tccttaaatt 360

gggtttttt gaaaaaaccg gnncccaaaa gggttnnaan cng 403

<210> 15795
<211> 332
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-C11

<400> 15795

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tgttaaaatg gctgggggt caaagaggtc taaaagagca ngacttgaca gtgaatcgga 120

agacataagc gaccaagaaa accttaaggc cgaaagcgac aatgaagatg atcaattacc 180

tgatgggata gagggatgat gaagtagata gcatggaaga tgatgaaggg agagagtgan 240

ggaagacgat gaaggagata ccgaggaaga tgatgaagga gatagcgaag gaatatgtta 300

nngganan caagnggaag acganggatg ga 332

<210> 15796
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-C6

<400> 15796

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aaggaaggat tccaacagaa ggaggagaga aagaagcaga ggctgacaga attacgtcac 120

ttccaggtca gcctaacgtc acgttcgagc agttttccgg ctacgtcacc gtcgataaac 180

tctccggaag atcactcttt tattggctca ctgaagcttc tgacctccct ctctccaaac 240

ctctcgtaat ttggctcaac ggaggaccgg gatgttcgtc ggtagcgtac ggtgcgtcgg 300

aggagattgg accattcagg ataagcaaag gtggttccgg tttgtatctc aacaagttcg 360

catggaactc aatctccaat ctcttgttcc tcgaagctcc cgccggcgtc ggcttctctt 420

acactaaccg ctcctng 437

<210> 15797
<211> 364
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-C7

<400> 15797

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tcttcttcaa gctcatcaat caatggcgtc gtctctatct ccaccggaag aagcttcgta 120

tcancaccgt cataccaaaa ggtacacctc ctccgcttcc tccgcttcct ccaccaccaa 180

cggaaccgtc gaatcatcgg tttccgattt cgtcaaacgt cccaanatct ctcatccgaa 240

ttacatatca agttccgaga tcgagncaga gttttctcan cangatccag atttcgnaag 300

aatcaagnnc ggtagttttg gttgttgtcc gtcancaatc gnagcnttag aangangatt 360

gggc 364

<210> 15798
<211> 280
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-C9

<400> 15798

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tttttaatct ctctctcttt tcccacgtaa ttcccccaaa tccattcttt ctagggttcg 120

atctccctct ctcaatcatg aaccttcttc tcttctagac cccacaaagt ttcccccttt 180

tatttgatcg gcgacggaga ancctaagtn cgattccggg aatgtcgtnc tcnnagttca 240

aggaannggcc aaggcgtncg ccaanggnna acgttnaana 280

<210> 15799
<211> 447
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-D10

<400> 15799

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gttgctactc tcacattaca ttatctggga tcaaatatgg ctcatgtgga tgggcaagtt 120

ggatatagcg aggaattcat cgagaattcg cggggaatgc aactcttaac atgcaaatgg 180

tttccagtca atcaagaacc aagagctctc atcttcnttt gccatggcta tgcaattgat 240

tgcagcacca cctttaaaga tatagcacct aagtttgcaa aagaaggttt tgcngtgcat 300

ggaattgaat atgaagggca tgggaaatna ngcggncnct cggtcaanat tgataactnc 360

nttcttcnca ccnagaagtn ccctcaaaat ttctccaaat taccngaaat ggaaaatacc 420

caaagnagaa naggtttttg atgggaa 447

<210> 15800
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-A7

<400> 15800

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gagctcgggc caggaatatt gggaaatatc tttgatggaa ttcagaggcc tttgaagact 120

attgcaagaa tatccggtga tgtgtacatt cctcggggtg tgtctgttcc agctcttgac 180

aaagattgtc tttgggagtt ccagcccaat aaatttgtcg agggagacac aataactggt 240

ggtgacttgt atgctactgt ctttgagaac actttgatga atcacctcgt tgcccttcct 300

ccggatgcca tggggaagat cacttacatt gctccagctg gtcaatattc gcttanggat 360

accgtgnnng agcttgaatt ccaggggatn aagaatntta cancatgcgt cagagnctgg 420

<210> 15801
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-F7

<400> 15801

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gncccgactc agccctcatt gactcaaaca ggagtcagta atagtaatag taatggtgta 120

gatggatttc atgtttgtca caagagaaga ggtgttgatt cgtattacca gaaactatcc 180

tccacacaag ctattgtaga tcccatccgt ttgccaagaa cagcgattat agactttggt 240

ggggaaagga aacaactttt tgcatcttgt gacgagtcca ctcgggagct catcttgcaa 300

gatccttcga cttttactat ttctcaacgg ttgccattgt caagtcatct tccgcttcaa 360

gatgtgaaat actgtcacgt caatggttcg gatctgctcg gtctcttaac ggatgataga 420

ttgcagattc ttaggaacga atctccatga agattaaaaa agattgatag tcttgcaagg 480

atggtgtttg ttgaagagaa aacatgtt 508

<210> 15802
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-F8

<400> 15802

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tgtttttagt tctttgatgc tgaaantgat gtacttttct gttactgtca atctctttgc 180

aggtaaaggt tttgccanag gaagaattag cctaggagaa atagaagtgg ngaaaatcac 240

caanttncat cnagtttgga gctctgattc atcacacgac anatcaaaac gtgctacatt 300

ttacaaagcc gatgacattc cagaaggatt ccattgcctt ggtcactatt gccagccaac 360

cgatcagccc ttgacnaggt atgtacttgc agctcggact aacaaagccg tcaatgctga 420

tgatttcccg cccttgaaaa agcctgtgag ttattct 457

<210> 15803
<211> 466
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-G10

<400> 15803

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gaaccttcaa agacgacaaa gagctggaga atggccagag gttttcgccg gagctcaaaa 180

gccccatcga ggtgtcaaga ttcgccgtcg ttgtngnctn cagagaacta tgcngcgtct 240

tcttggtgtc tcgatgagct cntaacgatc atggatttcg aaaaaaangg ttccatcacc 300

gtgatgccca tcttctacgg nggtggaacc gaatcatgtg aggtggcaag accnggagta 360

ctcgctgaac agtttaagan acatgcgagt aagagaacat tctggagaaa gttcntaaat 420

gggnngcaaa cattgaccaa ttttgcgcaa ctcctcccgg cgantg 466

<210> 15804
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-046-Q1-E1-G2

<400> 15804

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tgacgaagtt cgatcactgt ttcaagaaat catcagatgg gtttctctat tgtgaaggaa 180

ctaaagttga ggatatcatg gagtcagtgg agagaagacc cttttactta tatagcaaac 240

ctcagatcac tagaaacctc gaggcttata aagaagcatt ggaaggagtg agctctgtga 300

ttggttacgc tatcaaagct aataacaatc ttaaaatttt ggagcatttg agaagtttag 360

gctgtggtgc tgtgctcgtt agtggaaatg agcttagact tgctcttcgt gctggtttcg 420

atcccacaaa gtgcattttc aatgggaaat ggcaagtctt 460

<210> 15805
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-G9

<400> 15805

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agatttcaat tttgctggga aattttagag taggcgactc ctttgatcgc cttatttcat 120

ttcgaaagtt gagattttgg atacgaccct cttgatctga caccggaatg ttggttagtt 180

aaatggagag aaaaaagaac aaaggacagt gaaccaggac cagtccctct gcttgtaccg 240

gttgatagat ttgggtttct gaaacangaa catggcagtt ctcctcaacg tttcaccaag 300

actaaatcat ctattaatta tgagaaggag gagaagagag tgacaaaatg gaggaagatg 360

attggaactg ggggtagtga ttggaaagca ttacgttagg agaaaactca agttgtcaag 420

aaggcngatt ccaaaaagga ttcccgaatg ct 452

<210> 15806
<211> 349
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-H1

<400> 15806

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aatgctaaaa atcccaattt cttcttcttc gtcttcgtct attagccctc ctcctaattc 120

atatccatcg aatcatcact ctctgttttt ctccaatctc acattcccaa ttcaacatgg 180

aagtagaang ttgaagactt tgngactcag agccaatttc tgggagtcaa tccgatctgg 240

gtttgtgaag aataataata gtacgcaact tgtggancca ccttctatag tcaatgntga 300

ngaagaagga gactgagcca ntgtnacctg tggnagttac tttnnttga 349

<210> 15807
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-H10

<400> 15807

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tccatantca tcttccgaag tcaagcggtt cactttcttc gagaaanaag ttttcntcta 180

ctgctttatc actcatcact caaaccattt caccatttgc tcancccgt tcatcagtaa 240

ttgtgtcaag ccttctctcc ccatctgata tccctcanaa atctgaacaa tggnttgctt 300

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aaaccggcgt ncnnaactcc 380

<210> 15808
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-H11

<400> 15808

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attattgatg atgagccgat gagggagggt tttgaangta gattgaaaga gaggcgggaa 120

cattcttttt tggacagaga tagtgggagg aagaaggtat atgaggatgt ggatganaaa 180

gatgctaagg taaaggaaag caagaagcag cgaggtggtg atgatgatga tgtggatgta 240

gtgaagcgtc ataagaaaaa anagagcaag aagagaagac atgatgattc atctgaatct 300

gatgagcatg gtcntgaccg tngaaggcgc tctaagaaga aagctaaagg gcgtnnacaa 360

gaaagtgaaa gtgactccaa cagctcggan tcctgaatcc tgactctgac agttattatt 420

ggaaacaana naagaaagga nganc 445

<210> 15809
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-H2

<400> 15809

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attcttctcg tacctcatca atcttgcttt tgtccatact ccgggaacat ggagatggat 180

gttgggtgtt gcgggagttc agctattgt tcagtttgtg cttatgttgt cgctacctga 240

gtctccaagg tggttatata gaaaggacag gattgcggaa tccagagcga ttcttgagag 300

gatttacccg gctgacgaan tggaggcgga gatggaagct ttgaaactgt cagtggaggc 360

agagaaagca gacgangcaa tcattggaga tagcttctct gcaaagctga aaggagcttt 420

ccgggaaacc ccgttggtcg actggaccnc ctgnttggga 460

<210> 15810
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-H3

<400> 15810

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ctcctctgct agtacttgtc gaccttctct catatgctct tgtctcaaaa gcaaatcctc 180

ccaagaaact actcagattg aacagttggg gaatggagaa gggttctcag ttttggcatc 240

agagattcca tgggaggatg ataacatatg gagcacattt gctctttaca tgttctctct 300

gcatattcct ctcagttttg ggggtttatc cattgttgcc aacatactcc accggcaggt 360

tcttgatctc agacccaagt gctatcactt gtggttctcc aaatggtaga acttgcaagg 420

acaatcntgc tgctgangac cacagcgaag 450

<210> 15811
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-H5

<400> 15811

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gtgaaagtag caacaacgac gtcgtttcat tggtcaggac gacacacagc gattcctcaa 180

tgtccgtcat tttcgcaaac cctaacttca tctaaacgcc gtcgttctcg tggaatagcc 240

ggtgatgttt ccgtcggagg aggatctttg agattaaaac cttcgacgtn tctcggaaca 300

caatctggga aacttcaccg atctaaatca tgtgagcttt ggcaattttc taattccacc 360

acgannaagg attagaactg atgtgaagaa gaaacataat cctttgagaa gagtttgtag 420

tgcgagctcc ggtttcttct cctccgang 449

<210> 15812
<211> 527
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-H9

<400> 15812

nnnnnnnnnn gaactggttt gccttgncct accgcgtccg gaaatcccng gtcgacccac 60

gcgtccgcgg anncgtggga tctctcatga cgccggttat catcagctta tttcccattg 120

gttgaggact catgcctgta cggagccata cataatagcg gcaaatagac aactaagtgc 180

catgcatccc atttataggc ttttgcatcc tcatttccgc tacaccatgg aaatcaacgc 240

tcgtgcacgc caaagtcttg tcaacggagg tggaatcatt gagacttgtt tctggcccgg 300

gaagtatgca ttagagctaa gttcagccgt ctatggtaaa ctatggaggt ttgaccagga 360

aggcttaccc gcggatctca tcaaaagggg gttggctgag gaagataaga ccgcagaaca 420

tggagtacgt ctgacgatac caagactatc catttgcaaa tgatggtcca ataatgtggg 480

atgcaattaa aagaatgggt gacaagacta agtgaaacan tactatc 527

<210> 15813
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-A10

<400> 15813

gaccgcgagg tacctatcca gctgtgaaaa ctgcaagtgg gaagaatacc ctcaggcatt 60

ggccgcgaag agatggtact caacgcaagc aactctccct gacggaaagt tcttcgtgat 120

tggtggaaga gacgccttga actacgaata cattcctgag gagggacaaa acaacaggaa 180

gctctttgac tcattgctcc tcaggcaaac agacgacccg gaagaaaaca acctttaccc 240

tttcgtctgg cttaacaccg acggtaacct cttcattttc gctaacaacc gatncatcct 300

tctaagcccc aaaacaaacc aagtcatcaa ggagttccct cagctcccaa gtggtgcccg 360

taactaaccc gggatnangt tcttccgcaa tcctccccat ccaaactttt acgtgaaaaa 420

accccaaagg tcatcccaag ccgaag 446

<210> 15814
<211> 87
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-A2

<400> 15814

aatggggtta caggatatac caatgtgtnc tcganatttg gggaaccaga gaaaagaatg 60

gngtggtgtt taaaaaactc agnacgg 87

<210> 15815
<211> 132
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-A3

<400> 15815

ctaaantgaa gaagagcgtt ccagantctg ctgacttaca tgggaaatgt cgctaanant 60

ccacattagg aaaaattccg gaaaattaga ctcaccaacc aaacatttca ggaaanggtt 120

ggttcgctaa na 132

<210> 15816
<211> 57
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-A4

<400> 15816

tttgaacaaa gcaatcccgc ccgcantntt tcaaacgctc aanccccctcg ctcnttc 57

<210> 15817
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-F6

<400> 15817

tttctctctg ttacttactt ccattatttt cgagcttatt cttatcttca tcgcttaagg 60

ttcgaatttt cgaattcgat ctctttttgt agctatacca atcacaagta gctgaaatca 120

atagtattaa gccaggctag ctagaccagc aagtaaattt gctggctagc aggatcctca 180

tgagccctca gagcgtatcg aagactagca aatcccttga gggtgtccat ggggttcatg 240

ttgtatctca ttctcatttc ggatttgaaa gtattggcca agtctctggc tttgagtctg 300

cggatgcagg aacaaagcag agacttttca ttgaacgtgt ttggcaacaa aagacctcca 360

tgcctaagac ccatccattg cagcatccat gggtgatcag agtaacctta gaaacangct 420

gctaatgtga tnnc 434

<210> 15818
<211> 103
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-A6

<400> 15818

aagaaactgt gagataatcc anttcaagaa tcctacagtt actccaccan agccatttgt 60

gttcttctct cctanacntg tcaccgagct tgatgcagnt gca 103

<210> 15819
<211> 434

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-E7

<400> 15819

tgactanaag tcaaacagtc gttaccggaa tcaatggccg ggattaaaac ttctccggcg 60

acgattaagc tcttcaccgt tctattcctc attctcacaa tctcatctcc atcacccaaa 120

ttcgtaaacg ccttcacttt cccattttcc ttcacacaat acaaaaccct aatctcaatc 180

tcacgatcac tcctcctccg cgtcgcaaac ctacgcgctt cacgtggaga cgcattgggt 240

tcgtctcgtg tacgagcaat ggctgatgaa atcgatcgtg gattagggtt agggtttata 300

agcagagctt ggtctgttgg ttgggattat atgtggaatt acgcttggtg aaagggaggg 360

attgactacg gtgagatgta tggtgcgatt ggtgatctca atgagcttat gggtttagtg 420

actgaattta ntag 434

<210> 15820
<211> 75
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-F1

<400> 15820

gaaggaaagg taatgcaann catcccattn acaatcattc gactttcata aatgtcttaa 60

tcccatgttt acata 75

<210> 15821
<211> 525
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-F12

<400> 15821

nnnnnntgng gtgnngaant ggtctnntct tcggggctct accgantccg gangtcgngn 60

gtcgacccac gcgtccgntt aatttttctg atctgagaaa nnnaatggcg aatggagcta 120

atanagtggn tctcgacggg aaaccgatnc aaccgttgac aatatgcatg atcggcgccg 180

gaggtttcat cggttcacat ctctgtgaaa agctcttgac cgagacgcca cataaggtgc 240

ttgcgctcga tgtttacaac gataagatca aacacttgct tgagcctgat accgttgaat 300

ggagtggtcg gatccagttt catcgtatca atattaagca tgattcgaga cttgaaggtc 360

ttgttaagat ggcggatctg attataaatc ttgctgcgat ctgtactcca gctgattaca 420

atacacgtcc tcttgatact atctncagca atttcattga tgcgcttcca gttgtgaaat 480

actgttctga gaacancaag ccgtctcatt cacttttctt cctgt 525

<210> 15822
<211> 61
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-F3

<400> 15822

tcttcttgtt tgtctgggcg aaatgagtgt tcatnacatt cctangaagc tctnatcgca 60

t 61

<210> 15823
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-F4

<400> 15823

gntgntgtag tggtcttgtc ggcctagggt ctccggatat ccanaagtcg acccangcnt 60

ccgtttnaat taaaagatgg gtaaagacga ccaccacgaa caagacaaaa gattcttctc 120

acatcataat catcacggcc atgggtatcc gccaggagct tatcctcctc caccgcaggg 180

agcttatcct ccaccgggag gttaccctcc gcaaggttat cctccaccac ctcacggcta 240

tccaccggcc gcttacccac ctccacccgg tgcttatcct cccgccgggt atcccggacc 300

atccggtcct cgtccagggt ttggaggagg agttggggga ttgatagcag gagcggcaac 360

agcggcagcg gctgcaatgg gaggtcacca tgcgggtcat cacggaggct acgggcacca 420

cggncacgga aaatacaaaa gagggttttt cggagganga aagtncaagc gangaaagca 480

tagtatgttt ggtggangga agtacanncg tgg 513

<210> 15824
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-F5

<400> 15824

gngnntacgg ttcgtctcct ggnctaccgg anggagatcc cgggtngccc acgcgtccnc 60

ggaagcgtgg gtttgctttt acgaacagag agcgagccag agagagtgag taagagagaa 120

tgacgagcgt gagtgggtgt ggttcagtga gtctgataac taaccgcant gcgttcttgg 180

gaaacggnct tcaacaccgt gccgttttcc ttaaaccatg gtcgtcttct tcgcttcagt 240

ctcggtccat ggttgtcnaa gccaaaacca atgccagcat cnaatacaga atcgcccgcc 300

actctcgtat ccgtaagaag gttantggtn caactnatat gccaangcta tgtgttttcc 360

gatcaaacat gcatctttat gtncangtga ttgatganac cangatgcac accttagctt 420

cagcttcnac taagcannaa ccaatctctg aagag 455

<210> 15825
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-F6

<400> 15825

gnnnnganggn ttnnctcncc cagntcnngg aaatgnatnt cgcgggtngc ccacgcgtcn 60

gataaaagga aacgacgagg aaaaacaaaa acaaaataaa aacaagcctc gttcttccct 120

tttctctctt caaatctttt cttttacata ttttcttttc ttttttttgt ctttaataca 180

agtttactaa ctaatcagaa taaaaatggg ttcgagtaag tttaaacgag ccataggagc 240

cgtaaaggac caaaccagcg tcggtctagc caaagtcaat ggtcgaagcg cttctttatc 300

tgaacttgac gtagccatcg tcaaagccac tcgtcacgaa gagtttccag cagaagagaa 360

atacattaga gagattctta gcctaacttc ttactcacgc agttacatca acgcttgcgt 420

tagcacgctt tcgagacgcc ttaataaaac caaatgctgg acccgttgcc ctnaaaaacc 480

ttgattttga tcaaaggntc ctaagg 506

<210> 15826
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-G11

<400> 15826

ggggtgtttc aggactaaag cagagccacg gatatactat gcaccagtga agcctttgga 60

agaagataca agtgaggtag aacaacagaa agagcggaca ttcttagaat ggaaggcagc 120

aaggagacaa gaagtgagtg agtatcaaaa ggagatagaa gagcagtgtc tgggtaatgt 180

tgagaaagag ctggagaggt ggcaaaacgc aaggaaggca aggaaagcaa acaacgaggg 240

tatgaatttg caggaaacga tggacaagga attagagact cataggatgg agcatgggcc 300

aaagaagaga aagatacctg gaggaggagt aggagatgaa gatgaagaag atgaagtaga 360

ggatatcaat ggtggagagg atgaaatgat aatggatgat ttactggagg agggangaga 420

tggaaccatc aaggaggaag t 441

<210> 15827
<211> 524
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-G12

<400> 15827

nnnnnnntgn gnnnnngant ggtttctgtc cccccnggtc nncnaaaacg natatcncgg 60

gtcgacccac gcgtccgctc naacgaggtc ggttctaggg tttcactacg agaatggacg 120

gagatgagct caccgagcag gaaactgctc tttatgaccg tcaaattagg gtatggggag 180

ctggtgctca aagaagattg agtaaatctc atgttttggt atctggaatt aagggcactg 240

ttgctgagtt ttgtaagaac attgtgttgg caggagtagg tagtgtgact ctgttggatg 300

atcgattggt tacaacggaa gtcttcaacg caaacttctt gattcttcct gatgaaaatg 360

cttatgtagg caaaaccgta gctgagattt gttgtgattc acttaaggat tttaacccta 420

tggttcatgt ttcaatagag aaaggtgatt tgtcaacact tggtgttgat tttttcgaga 480

agtttgatgt tgtggttatc ggctacagtt ctcgtgctac taag 524

<210> 15828
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-G5

<400> 15828

tctcttcaaa ggctacaccg gaggcgattt ggagtttaat cggaaccact cggacgagtc 60

tccgatgtag aaacgaggaa gattacttca attgagatta agaggcatan agagagagat 120

ttgtgtattc gatcgaatca agcttgggtt tgttagtaat ggcgagaata gctatagttt 180

tanatctact gaagaaatct caatccaagc acagtcttca ctcatcttcc ttctcttccg 240

ccgccactgc tccctttgcg tctaggtttc tattcggttc tttcgagcct cgagtttcgt 300

atcgtggtgt tgctgctgga atagacgatg attaccttgg gtgctatacg gaaaatgtct 360

gcggatggaa actccaaagg gtaacatcat ccttgacann aatttcattt aaacgaaaat 420

tcatgcntta tttattaa 438

<210> 15829
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-045-Q1-E1-G6

<400> 15829

ttccccttttt acgctctttt ctttcttcat tttctgtgga aattttcaga gcttttctgt 60

gtaaattaaa gagttctttt ttgaaggaaa taggcaatct catcctgaga atcaaacaac 120

cggaaaattc aataaatgaa acgcctttaa ttgttttctc ttacaaaact tctaagcaga 180

ttactttggc ggagacccat ctgattggta tttttgcaga tattccgttc ttggagtacc 240

aactggcctg gagctacatt ccttagcctg gagtaaataa taggctgacc ctttgaaatc 300

aacatggttt cctcaagaac ttaataactt ttcgctggtt tctgtcctgg agcgttgttg 360

tgtgtttggt cagaggtatt aataagtcca atgcaaggtc cacgaagcac tggtgattca 420

tcgactggaa taaat 435

<210> 15830
<211> 350
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-G9

<400> 15830

gannggttat agcgaaatag atagagatag aagagagaga aaggacgaag aaagagagtt 60

cctttaactc tctcttcttc ctctgcanat ctgacatatt gaaccanacc aaaggnagcc 120

ctctttgatt agggttttgt gtcaagnttc tggagagagc ttttaggtga gttttgtgta 180

tctctgatgt tgatgttatt gaaattggga ctcttctcca cttaacttgg ngttgttttg 240

ttttttgatt gagcttttga gatcttgann nttgagntct tggcgttgtt tgtttctaag 300

tgacctnaat cttacatgat gtcttgggtt cnattcacaa ttgagcantt 350

<210> 15831
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-H1

<400> 15831

gnnnngantg gtttgccttt gccctagcct ccggaaatcc aaggtcgacc cangcgtccg 60

gtcaacgttn gagccaacgt agtttcctac tctcgtttcc gtcgccagaa tctcgcgaag 120

tttcgctctc caatcgacga atctaaagaa gttctcgctg atttcaattc cattgaacac 180

gaggaaggaa aattcttctt tgggttagct actgcacctg ctcatgcgga ggatgattta 240

gatgatgctt ggctccagtt tgctaaagaa acaccatgtt cagcagaaga agcagaggct 300

gctgataaga aagctaggag gaagaaggtt aagcttgctg tgggagctat aaccaaaggc 360

ttggccaaga acactcatgg caaagaagat aagaatgcag ctgataagcc aacctctaaa 420

aatgttgccg cgtggcataa cgctcctcac gcggaggaca agcttaaatt ttggtcagat 480

tctgacaaag aagtgaanct agccaaag 508

<210> 15832
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-H10

<400> 15832

ggagtggtnt ctgtcntncg tnggtntcca cgantcgcag ngtcgcgggt cgacccacgc 60

gtccgttcaa caantgttgt acgagagaat acaaacagca aaganacatt cagaaangaa 120

atggaaggct gcagataaca cgactcctga ttcttatccc aggttcatgg atgcactcta 180

taatttactt gacggttcta ttgacaatac aaagtttgaa gatgagtgcc gagctatttt 240

tggagcacag tcatatgttc ttttcacatt ggacaagcta gttcagaagt ttgttaagca 300

tctccattcg gttgcatctg atgnaacagn caccaagctt ctgcaactac atgcgtatga 360

ganctacaga aaacctggaa aattctttga tctantgtnt catganaatg catgtgcctc 420

ctccatgang nantcntatt ccgggttnag ttttc 455

<210> 15833
<211> 55
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-H11

<400> 15833

ttggtttgac ggggagaacc atttacacca natcnctagc atcttcaatt cctgc 55

<210> 15834
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-H12

<400> 15834

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ancgtccgcc cacgcgtccg ctccaacgga aacacctccg cttcctctaa gaaatctcgt 120

gagattgacc gtcgccgccg cagacggaag cagaagaaga acaacaaagc atcccaagcc 180

gatgtagatg catcggacgt ttctgctgct tctgaatcca aagagaatac agatccccag 240

ccacaggttt gtgagcagat tgtgatagag tatgttccag agcaagctga atttgaagat 300

ggttttaacg atgagtttaa ggaaatcttc gagaagttca acttccgcga acctcttgcc 360

tctgaagaag acggtacgaa agatgagtct gaggagaaag aagatgtcaa aaagaaggtt 420

aactctgatt ctgattcaga cgacgacgan caggataatc agaacaaaga gaaaggnatc 480

tctaataaga agaaaaagct tcaacg 506

<210> 15835
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-045-Q1-E1-E6

<400> 15835

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aatcgggaaa caacaagagc ttcttctcct tgttattgga ttgccttttg ccagcctttg 120

ttttagtcag ttttctcctc attaacttct gtcggtacag aatctctctc caggctggtg 180

aactcttgca gctttctcag tgattctgta tcgatttttc ccgtgtaaat tatggtttcc 240

tctcagcgtc ctgtccccaa caaaatccag aaacagcaat atctatccat cagcccttca 300

aattctgtct tgaaagatga tgttgaactt gagttctctg atgtgtttgg tccactcccc 360

gaagaggcaa tgatattgct tacgacgagc ctgctgttgt ctacagtcga tcccactcct 420

tgggttggcc gtgt 434

<210> 15836
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-B5

<400> 15836

naagttctct catttcagta attagtcgtc tctaaaattg gttttcgttc cccgaggagg 60

tttcttccct agtagaccat aagatcgctg agaatatgtc gtggctgcga acggccgtga 120

ataaggctgt ggaggtcgga aaccgcaaaa acatcacacg aaccgtcaaa aactatgccg 180

actccgtcgt ccagcacgct ggccaagccg tcgctgaagg agccaaattg ttccaagacc 240

gcattggtgt tggggcttat aagagtgttc atcagacaat tcagagattg gaagaagctg 300

cagtctcata tagangtcaa gaaagggcat tgctgattac tagatggcta agtgtgctta 360

aggagattga tagagctact gacaagttct ctaaaggata aacattgagt ttcagaggga 420

acaacttgct tctgatgaaa caaa 444

<210> 15837
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-B6

<400> 15837

tnatcagatt taccatcttg catgtcctgc ttctcctatc ttctacaagt acaaccctgt 60

gaagacaatc aagaccaatg tgattggcac actgaacatg ctaggtctcg ccaagcgtgt 120

tggagcaagg attttgctta cctcaacctc ggaggtatat ggagatcctc tcattcatcc 180

ccagcctgag agctattggg gaaatgtcaa cccaattggt gttaggagct gttatgatga 240

aggcaagcgt gttgctgaga ccttgatgtt tgactaccac aggcancatg gaattgaaat 300

ccgcattgct agaatcttca acacttatgg tccacgcatg aacatcnatg atggccgtgt 360

tgtaagcaac ttcattgcac aagcactccg gggtgatgca ttgactgttc aaaaaccaag 420

ggacacanac tcgcagttt 439

<210> 15838
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-B7

<400> 15838

gntggngaan tggtctncct gnccnngccc ccgganatcc anatcgnccn tcgacccacg 60

cgtcagacca aatgcacact aattctactc gccaaataaa gtgaaaagag atggctgatg 120

gaggaaaggt ggtctgcgta accggagctt ccggttacat agcgtcttgg atcgtcaagc 180

ttttgctctt ccgtggctac accatcaatg ccaccgttcg agacccaaaa gatcgaaaga 240

aaacagatca ccttctagca cttgacggcg caaangaaag actcaaatta ntcaaagcag 300

atcttctaga tgaaggttct tttgagctcg caattgatgg atgcgagact gtcttccana 360

ctgcttcacc ggttgcaatc actgtcaaga ctgattctca ggttgagctg atcantccaa 420

cccgtcaatg gtnccaatna acgtcctang aaacttgcac cnaaagtgtc ctcnggtcca 480

ngangggtca tcctnaanat cctccatggg ncggaatt 518

<210> 15839
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-B9

<400> 15839

ggttcttctc ntgctcagat ttcttctccg ataggaanac tcccgaagct tcactcagta 60

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cggaagaatt gcttcgctat agctagtgat cggaggcttg gtgtgcaatt acaaaccatt 180

gctaccgatt ttcagagaat atctaagatc cacgatnatc tcttcatcgg actttcnggt 240

ctcgccaccg atgtccagac attgtaccag cgactcgtat ttcgtcataa gttatatcag 300

cttacggaag aaagagacat gaancctgaa actttcgcta gtccgtgtat cggctattct 360

ttatgagaaa anatttggcc cantcatgtg ccancctgtg attgctggat tgggagatga 420

ttncaaaancc ntcat 435

<210> 15840
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-C10

<400> 15840

gtggnggaat ngtcctgtcc gacggggact accgacacgg atcntccngg ctcgacccac 60

gcgtcagttc aagttacctt caagttacaa attgagacaa tcttgttctt tgtttgttag 120

attancttct attcttgatt gtgttttccg aagatttttt agaaccaatc cacttgtttt 180

tcctaataca ggggtggtgt tttcgtggtg gtaaaaggat aaaatttctt gagaatgcct 240

gcatacattt ctgaggagaa gttgttcttc aacaagaaac ctttcggatc caaaatctca 300

gacaacaacg aaattgaaga acttgatcaa gagaatttgg ttgtgacaag acaagaagtt 360

aatgatgatt ccaaagtggc accgagagat gtagnancta catcancaan tgtctctaag 420

aaggctttan ccttgggaag atattttatc attgngagga ttccaaangc nacccaacaa 480

aaacannact aatggacctg aagaaaacat gggccat 517

<210> 15841
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-C3

<400> 15841

agtggtntnt gntcccccta ggntccccgg ganatcccat antcgaccca cgccnccgcg 60

gangcgtgna ggttggcggt gttgggtgta acgagcgttt gcangaaatg atgaggacta 120

tgtgctcaga acgtgatggt aagctgtttg caacagatga ccgttactgc atcgataatg 180

gngctatgat cgcttacaca ggtctactcg cgtttgttaa tggtattgaa acaccgatcg 240

aagactctac ctttacacaa cgatttcgca canacgangt tcatgcggtg tggcgagaga 300

aaagaagctg tactactttg gggataanaa agttgcancg aatttgngtc tgtccccatt 360

tttgttcant ttttcatcag attttgagat tgantctctc nnctac 406

<210> 15842
<211> 335
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-C4

<400> 15842

tccagattgg ggaanaattt ttggaaggca agtgntttaa naactggtgg ggtnccccttg 60

gatcctggnc ncangtttgg aacaagcctc aaggaaatcc naagaaggtt cctaatgaat 120

ccaagtttcc tcaaagtggt ttttgaagaa agtcccttgg caaataangt tgaaagccga 180

atttcaaacc cggcttacaa aggaaaatnc caaggaattg gcctggttta aagaaccaaa 240

ggttttcccg aangaaaana tttaccctaa aaaggccaag gnaccaantc ccaaaaccnt 300

tccaaacctg ggaaggtttt tttggaaagc ctnaa 335

<210> 15843
<211> 151
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-C6

<400> 15843

ggaaganagt tttcttttct cagtangttc tcttttctca tgcnactgtt ggaggttatt 60

antattatta ttgcttctgt ggcctccgta atcttcgncg gtttcgcctg tgtaaccctc 120

gctggttctg ccgcancatt attcgtaanc a 151

<210> 15844
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-C7

<400> 15844

cactcttctt atatctcatt tctctctatc tctctctctc tctcgcattg cgattaacga 60

aattcgaaaa atgtctcgtc ttctccaaac acccttctta ccttcagttt ccctccccac 120

aaaaacacga tcttccgtta cgggtttccg ggtaaagccc agaatcatcc caattcaagc 180

aaagatccga gaaatcttca tgcctgcact aagttccacg atgaccgaag gcaaaatcgt 240

ctcttgggtt aaatcagaag gcgataaact caacanagga gagagtgttg ttgttgttga 300

atctgataaa gctgatatgg atgttgagac tttctatgat ggttatctag ctgcaatcat 360

gggtgaagaa ngtggtgttg cccctgttgg ttctgctant gctttgttag ctgaaactga 420

agatganatt gctgatgg 438

<210> 15845
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-D10

<400> 15845

ccggttgaat catcagcagc tgttgaaact tcaactcgtc ctaagaggct ctgtagacga 60

gtcttggatt ttgaagccga aaatggagaa aaccagacca acggtgacat tagagaagca 120

ggtgagatgg aatcagctct tcaagagaag cagttagatt ctgggaatca agagttaaaa 180

gattgccttc tttcggctcc tagcacgccc aagagaaagc gcagccaagg taaaagaaag 240

ggagttcaac caaagaaaaa tggcagtaat ctanaagaag tcgatatttc gatggcgcaa 300

gctgcanaga gaagacaagg accaacttgt tgcgacatga atctatcagg gattcagtat 360

gatgagcaat gtgactacca gaaaatgcat tggnttgtat tccccaaact tgcaacangg 420

aaggatgaga tatgatgcca ttt 443

<210> 15846
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-045-Q1-E1-D8

<400> 15846

gcctcaaccg attccaatgg aactccacgc cggtaaccgg aaaaagttac taggaatcaa 60

tacgccgtca gttatctatg ttccaatcgt tctctcgatg gatttgttct tctacagggt 120

ggcgaggaga aaaatcgata ctgtactgat cacaccgagc tcttcaggca agagagttat 180

tttgcttact tgtttggagt cagagagcca gatttctatg gagctattga cattggaagt 240

gggaaatcta tccttttttat tccaaggttg cctgatgatt atgctgtttg gttgggagag 300

attaagccat tgtcgcattt taaggaaaca tatatggttg acatggtttt ctatgtggat 360

gagattattc aagtctttaa tgaacaattt aagggatctg gaaagcccct gttgtatctc 420

ttgcatggtc ttaatactga cag 443

<210> 15847
<211> 521
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-E11

<400> 15847

nnnngngggg tgnngagtgg tnttgtcccc ctggttctac cgatacggac catccngggt 60

cgacccacgc gtcagcttta ttgtctctct tcctttccat tgcccaaaaa gaaacagaaa 120

cttttctccg agaatcctca tttctccgtt gaaaaaagga ccttgagagg aaatgtttca 180

ctgtttctag ggttcttata atccacttcc tcatcattag agaatggaaa atctcctctt 240

ctctttgata tttcttcgga tttcgcttat gtcctgaatc tcttgaagac ccaattgaaa 300

aaatctcaac tttttttctc ccggcgtttc cggcgatata caatgcggat tctcgtgaat 360

ctcattctct tctccttgat tcctctggcg ttctccaatg aaaactccag ctcgtatctc 420

attgcgcgac cattgatctt cgaaacccag ctcaagaaca tatacgacaa tgtcaatcta 480

cattgcacga gctggagatt cgcggcggag acaaacaatc t 521

<210> 15848
<211> 519
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-E2

<400> 15848

gnnngnnnga antggtttnc ctttccctag ncctccggaa aatccanagg tcgacccang 60

cntccgccca ngcgtcngtg aaaaccaaaa aaaaagaaga agatcaaaaa aaaaaggatg 120

tcagaagaag aagtggtggt gttgaacttc tggccaagca tgttcggagc aagagtgatc 180

atggcattag aggagaaaga gatcaagttc gagtacaagg aagaagatgt gtttggtcag 240

aagaccgatc tattgctcca aagcaacccg gttaacaaga aaattccggt tctcatccac 300

aacggtaaac cggtatgcga gtccaatatc atagtcgaat acatcgatga ggtctggaaa 360

gacgataaga ctctccgtct actaccttct gatccttatc aagaagtcac agtgtagatt 420

ttgggctgat ttgattgaca aaaagttttt tgacgcctgg gangaagaac gtggacaaan 480

gaaggggcaa agaacaagaa ggaaacgaaa caagagttc 519

<210> 15849
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-E4

<400> 15849

tcaagactaa ataagatagg aaatgggttg atacaaagaa gttgtccttt taagaattcc 60

atcactagga gttggaaagt ctgaaccaga gactttggtg tgcttctcca aaaacgacga 120

gagtccagcg tctagcagta tcaagcaact ctcttcttac tagattcttt cacaccatca 180

ngaggagcca ttatggcang ggaacttgtg tcgtttgcag taaacaagct ttgggaccta 240

ctgagccatg aatacacgct atttcaggga gtcgaagatc aagtagctga actaaaaagt 300

gatctaaact tgctaaagtc gtttttgaaa gatgcagatg ccaagaaaca cacaagcgca 360

ttggtgagat actgtgtgga ggagataaag gatattgttt atgacgcana ngatgt 416

<210> 15850
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-B4

<400> 15850

ggntgnngga antggtttgc cttgncctag ncctccggan atccannngt cgacccacgc 60

ctccgcgcga tttctaccat ctctaaatct caaccgtccg atcaaacaac ttacacaact 120

tccgtgctgg agaaataaaa aaattaggta tttaataatt catcattgcc attggattgt 180

gtgtggctgc gtcagtaaaa cgtattctta aaagcaacca ttggtgtgat tgactctata 240

agagaattcg tcagcgtgaa gcaatctcca atctaatcgc agcatatctt ctccgattcc 300

tattcgtctc tgcaattgaa tcttccggta ggcgaagatg gcgacgtctg cgaggatttg 360

ttgcggagga ggaagtgcat gcgccgttcg ttgtgatcgt cgcacgttaa atttgaattc 420

tcgatcgtca tgtttgttcc agtgacgaat cgacngnata tgtgtgcgat tgggaanatt 480

tccgatgtcg atggaggatt tgtcnccacc gg 512

<210> 15851
<211> 154
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-H12

<400> 15851

cggcagatct ggcagatgtc ggtccanant atcggcttct atgcccgatg ttcctatgaa 60

acgcatgngt attgcgagtg ttagggattt tgcggtgagc gaatatgttc atcttgattt 120

cgacaattgt gcngccagga tgatgtgtnn gaga 154

<210> 15852
<211> 310
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-H3

<400> 15852

ggnngaggaa tgtctgtttg ggacggccgt ccggattatc ataggtcgac ccgnccgtcc 60

gcggaancga naggtgggga tcttgttaga tctggttgag aaaataatag atgagaaaac 120

gaaaccaaaa cgtttctgtt tgtgtttttg agttttggat ttttgttttc tctgtgaata 180

gtttttttttt tttttcgttt tctttgtact ttgtgtttta tgtaaatcat gtataaaatg 240

aaaagtanat caatgaagat aatggtttgt cttcaaaata caaanaaann anganangta 300

canacanata 310

<210> 15853
<211> 503
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-H4

<400> 15853

nnnttgntcc ngccctaccg gnccnngaca tctcgaccca gacccacgcg tcaaatctan 60

gntagcgaaa gacgacnang gtcgctgaga cttacagaca gaccacttgg aagcccaaat 120

tcgatgttga gaaagagaaa cagaaggcag aanaggaagc tgctggctct gcanatggtc 180

tcaagagcta ccanaaggtt gtattcgacc tcttgaacaa ggttgcagat ttatctttcc 240

taantgccta caagtctaag atcacggaac tgattgagaa agccgagcaa caaccaaact 300

taaccattgg tgtcctcgtc gccattgtgg ttgtattctt ctcgctcttc ctcaagctta 360

tctttggtgg caaaaaggcg gcggcacctg tggaaaagaa gaaaccagaa gtagcggaga 420

gttcaaagag tggggatgan gcnganaaga aggaagaaac cgcngnacca cgcaaaaggc 480

aancgagacg tgataattag aca 503

<210> 15854
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-H6

<400> 15854

gnnnnnnnga atgtccactc gctcggntct accgcataan aaaanggggt cgacccacgc 60

gtcngattan ttgtttttct ctcttgattg agagaaaaac aaaaaaaaaa atttgaaaaa 120

taatttttc tttgtaactg atctttccat acttttgatt ctctgtttcg cttcggcgga 180

atcagagaat cgtttcaagt tacaaattcg caacaaaaac gtgttgtgat atcgagtatt 240

tattcgttta cggggaagaa acatttcaag tggtataagc atttcctgat tgtttgaaac 300

tttgaatcgt ttaataaatt taaaaataag aaaaaaggat ttgtagagaa atgggagtgt 360

ctcaaaccga cggaagaatg gaaggttggc tttataccat ccgacacaac cgatttggcc 420

ttcaattttc ccgtaaacga tacttcgttc ttcacgagaa caaccttaca agttttaaat 480

ctgtaccatc tgatcacaat gaggaacctg ag 512

<210> 15855
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-H7

<400> 15855

aaactttcag atttatatag aatttgtttt gtctgttact tatttaggac aaatctttag 60

tgtaaattga gttgagagtt ttgttttttc ttctctcgta atgatgactt gccgtttggc 120

caaaagttat ggtttaatca aattgttgtt gtgtaataag aataatggcc gtcgtcttcg 180

ttttcctccg gctgatgggt tctctgcgtt tcacagttgc tccaccacga ggaacagatc 240

catgtctgct tctagttcct ccacaaatcc catgtcccgt gaggacgcaa caacactgct 300

tccgtctgtt caagacaagt acggtggcgt gatgaccgag atgactcatc ccatggatcc 360

ttctctcttc tccacacttc tccgatcctc tctaatctac ctggactctt cangggcaaa 420

aagggaagtg tggatcaagt tgcca 445

<210> 15856
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-H8

<400> 15856

annaaacngg gcncgnccca cgcgtcancg gangcgtggg tcagtttgtc ctccttgaat 60

caaacacgac gttcactggc ttgcctaagc ctcttgtctt tgctgctcac cgagatgagt 120

tcaagtttat tgagtcacgc ttgacttatg gtactgttgg tggaagattt gtcaaagggc 180

agaatccgtt ttacgaagag gcgtatcagc gggtagctct tgatcagctt ctgagaatcg 240

ctgggattac tgatgatgac ttgttgttaa tgtctgatgt cgatgagatt ccaagtagac 300

acaccattaa ccttttgaga tggtgcgatg agatcccgaa gatacttcat ctgcgcctca 360

agaactatct ttactcgttt gaattccttg ttgataacaa aagctggaga gcttccatcc 420

acagatatga gacgggtaag acacggtatg ctcattatcc gacagtctga tgaa 474

<210> 15857
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-H9

<400> 15857

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acgcctccgc ggaancgtgn ggaaaaatcg atggcgggga tactagtgaa caatatcctc 120

cctcaacctc cgattctccg atcgctttct tcttcttcgc gaagaagttc aattcgaacc 180

ctagttatgg tcaaagcttc ttcctctgaa ccttccgagt ctgtttcagt ctccacgaag 240

accagtgacg acactggagc tgttgttgtg ttcactgctc ctcctggttt caagccaccg 300

gagccaaaac ggttcgccgt caaatccgga aaactcttcg atgtcttggg tgcagcaatt 360

ggattgtttt tccgattcgg cactggtgtt ttcgtttctg ggtactctgc atcttttgtg 420

tctaaggaag agattccagc tgatcagtat gcgttgcgtt taggcgggat cacggtaaag 480

gaaactgcta aggtcgggcc tcgtcctgag aaaccattga 520

<210> 15858
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-A10

<400> 15858

aaaaatatgt attgtanaga gtccttgtcg agtctccaga ctttgaacgt agcaaagagt 60

ctcagctctt tgttccctaa acaatcagct ctcatcaacc cgatctccgc tggacgtcga 120

aacaacctgc ctcgtccaaa cctcagaaga cgatgtaagg tcaccgcttc acgggctaat 180

attgaacaag aaggtaacac agtgaaagaa cccattcaga atattaaagt aaagggatac 240

ataacggccc aagaagagtt tctggagggc ataacttggt cgagaggtct cgatgacatt 300

gctgatatcc gcggcagatc attgctcgtc gagcttatta gcgccaagac tgaccagcgg 360

attacggtag aagactacgc acaacgtgta tgggccgaan cccctgatga gaagtacgag 420

tgcgagtttg agatgcc 437

<210> 15859
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-A12

<400> 15859

gatggtaggt ggagaccant ggaccancgc tcagatccct gatgctgcat ggccangaga 60

aggtcangca ncaatctctg ctgcacctgc tgctgcttct tggnntgatt ccgctgctgc 120

accggcagat ggtggatggg aagctgccgc gccaccctca ggggcaccan ctgctggttg 180

ggagtaangt tgatancctt tactcaatgg tttaatggtt atncacatgc ttttttgtta 240

cttttgggat tgaagagtta tcgagncgta actgtttttt cttctcactt gtttctctta 300

ngacccttat atgttttgca ccttttttgtt tgaatcgaat ctatattttg cgtttacaac 360

angnntanaa naagggcgag nggctctaca ggatc 395

<210> 15860
<211> 176
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-A2

<400> 15860

ggngatccca tttactatca anatgtctgg tgtttatggt tgcntcaagt gtggtttatn 60

aagtgcangg gactttcttg tcaaagcttt acttgaggag gaagtttccc agacgttgta 120

gcgactttgc cccttatgct ggcacangta ngttgatgct cgngagcaac cttgaa 176

<210> 15861
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-A3

<400> 15861

canngngccn cttgcanaan ggtctaggag acantaatga cttgatggaa aaccaattgt 60

caaacgacga ctactccatc ggattcatgg ctgcagaana ccataacatg tccctggttg 120

aggagcantt cangctgaat attgntgagc ttctataaga gaatttggat ttctggttaa 180

ggttcancac agcatttgga cagatacaga tctacgacac ttcaatcgaa gatctacaag 240

ccgagatatc aaagctcgag cagagaagaa agcaagatgg aancagcaca gccaaatatg 300

ccctgagatc agatgttcga ccactgtatg tacacttaag ggaaataaac acagacctgg 360

ggctctggct ggagaaaggt gctgccttga aagaggaact gaaatccaca ttcgagtccc 420

tgtgtaacat acangatgag 440

<210> 15862
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-A5

<400> 15862

natcttgctg ccgttgagat tatgcaactt aagcatatca tcatccttca gaacaagatt 60

gatcttattc aagagaatgt tgccattaat cagcacgagg caattcagaa atttataatg 120

aacactgttg ctgatgctgc tccgatcgtc cctgtctcag cacaactgaa atacaacatt 180

gatgtggtgt gcgagtacat tgtcaagaag atcccaatcc ctgagaggaa ttttgtgtca 240

cccccaaata tgatagtgat tcggtctttt gatgtcaaca aacctggtta tgaggttgat 300

gagatcaaag gtggagttgc aggtggaagt atcctacggg gtgttttgag agtcaaccaa 360

ttaatcgaaa tccgacctgg tatcgttacc aaagacgagc gtggaactca aaatgcactc 420

caaatttact cctcgcatca ttt 443

<210> 15863
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-A8

<400> 15863

cagaatgtct tctcatactg caactaagta cgatgttttc ctaagtttca gagggcatga 60

cactcgccan ancttcatca gttttctcta caaagaactg gttcgaagga gcattcgaac 120

cttcaaagac nacanagagc tggagaatgg ncanaggatt tcgtcngagc tcanncgcac 180

catcgaggtg tcangattcg ccgtcgttgt tgtctcagag acctatgctg cgtcttcttg 240

gtgtctcgat gagctcgtaa cgatcatgga tttcgaaaaa aagggttcca tcaccgtgat 300

gcccatcttc tacggcgtgg aaccgaatca tgtgaggtgg caagaccggn gtactcgctg 360

aacagtttaa canacntggg agtagagaag atcatgagaa agtgcntaaa tggaggcaag 420

cnttganaan ttttgcg 437

<210> 15864
<211> 83
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-A9

<400> 15864

cggttgtgtg tgcngtttca tcgttgtgtg tcgcgtttnt tcaccgtcgg tgttgtctct 60

gcggtcttct cctcggctnc gtt 83

<210> 15865
<211> 206
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-B1

<400> 15865

atggctctgg nngagtggcg gtggctcaaa ggtctagact tgtcgtnaga gctcagcaga 60

gtgagganac ttcttgccgg tccgtgattg ggcttgttgn tgctggttta gctggtggct 120

cgtttgttcn tggtgtcctc gccgatgcta tttcgattan tgttgggcct cctccagctc 180

cttccggtgg gcttcctggg acaggt 206

<210> 15866
<211> 323

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-B11

<400> 15866

aaccaaaaac ttccggtgat aaaacctcct tcgtcatctc tctacttctt ggataaaatg 60

gcgtcaactt tcactgccac atcttctatt ggttcaatgg ttgctccgaa tggtcacaaa 120

tctgataaga aacttatcan caagttgtct tcangctcat ttggaaggag acaaagtgtg 180

tgtcctacac ncanangatc cagttctgca attgtgtgcn cagcaaanga attacatttc 240

ancacctcat gggactacca ttaggagact tcaagctggt gtcancaagc tcncatatct 300

tgttggtgtt acacttggac cca 323

<210> 15867
<211> 70
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-045-Q1-E1-B2

<400> 15867

gtcctatgcc tangattgaa gacgatggga anccaagatt cgttatcttc attcgtatgg 60

gccaatgtgt 70

<210> 15868
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-H11

<400> 15868

nnnnnngggn tnngaatggt ccccttgntc agcnctccgg acatcccang tcgacccacg 60

cctccgccca ancgtcngaa aagttcttac gaagaaccca gattttgtta agaaatggat 120

gtgccagagg agacgaggct tcgccacaag cgagatttta tccagttcct cgatagtatg 180

tatatggagg aaatcaaggc tttggtacat caaaagcgtc accgtctcat tattaatatc 240

tctgacattc accaccactt cagggaagtt gcctctagga tactgaagaa tccaaatgag 300

tatatgcagt cattttgtga cgcagccact gaagctactc gtgctattga ccctaaatac 360

ttgaaggaag gagagcttgt ccttgttggt tttgaaggtt attttgtttc tcgcgttgtt 420

actcctagag agcttctctc tgattttatt ggntctatgg tctgtgttga gggcattgtc 480

accaaatgct ctcttgtgag gccaaaggtt gttaaaagcg 520

<210> 15869
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-043-Q1-E1-G11

<400> 15869

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agatttaagc gattaatcaa ggatcagaat gatcactctg atcttgaaga aggcatcaga 120

agattggtac tttgctccgg aaaggtctat tatgagcttg atgatgaacg gaagaaggtt 180

ggcgcaacag atgttgctat ctgtagagtt gaacagcttt gtcctttccc atatgatctc 240

attcagcgtg agctcaagag atatccaaat gcggagatcg tttggtgcca agaagaggcg 300

atgaacatgg gagcattcag ctacatatct ccacggctat ggacagcaat gagaagcgta 360

aacagaggag atatggaaga cattaagtat gttggtcgtg gtccttctgc tgcaactgcc 420

acgggtttct atactttcca tgtcaaaaga gca 453

<210> 15870
<211> 519
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-G2

<400> 15870

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ggtgctcatg tgaagattgc ttcatcaccc gtccctgttg atgagaatct ccctttttcac 120

aaattctctt ggagcattcg tgatttctct gttctgaaac agaatgattg catatctaaa 180

acctttgcaa tgggaggaaa gaattggact ctaactgtgt atccaaaggg agactctgag 240

gcagataacg agttctgcaa gtacttgcat ttagctgacg gtgaagtctt atcgcctggt 300

gagatgattt ccgtgcgagc acaactaagg gctttagacc cgcgtggatc caaacacaaa 360

acagtctggc ttcaacaatg gatcatggca gcgaccaaag cgaggggtat tcctcaatcc 420

ttgtctttag ctgatcttca ggaggcttac ttggatgaan atactttgaa tgtgggagat 480

cnatgtgaag ttgtgaactc taggaaaatg ttttaagcg 519

<210> 15871
<211> 533
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-G3

<400> 15871

gnttgaatgt cnctcngggn cgggncgtcc ggancatata aggtcgaccg ncncgtccgc 60

gaaaaatgan gacgacgacg acaacattct tccatccact acttcctgct aacacttaca 120

aatccggagc tgtagcttct tcctttgtct cagttcctcg ttcgtcgtct ctccaatttc 180

gctcacttgt gtcagattct acgtcgattt gtggtccaag taagttcacc ggaaaaaaca 240

gaagagtatc ggttaccgtt tccgccgccg caacaactga acctctcacc gtcctcgtta 300

ccggtgccgg tggaagaaca ngacaaattg tgtataagaa attgaaggag angtcngagc 360

agttcgtggc aaggggttta gtgaggacaa aggagagtaa ngagaagatc aatggagagg 420

atgaagtant cattggagat atnagagata ctgcatcaat tgctcctgct gttganggga 480

ttgatgcttt ggtcattccn tactagcgct gttccncaga taaagccggg ttt 533

<210> 15872
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-G5

<400> 15872

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agtaatagca ctttagaagc tcttccacaa aattatgcag agcaggtgaa ttttgaagac 120

acttgcaaag gtttcttgga ggtggctaag gaagcagtgc atcaaacagt tcgcgttatc 180

tttgaggatc caggagttca ggaattactt gtcaagcttt accagaaaga atggtgcgag 240

ggacaggtta ccgagtacct cgtggcaact ttcggtgatt atttcacaga tgtgaaaatg 300

tatgtcgaag aaagatcatt tagaagattt gtcgaagcat gtttgggaag aaacagtcgt 360

tgtctatgtt tgaccatctc ctaactcaga aaaactacat caagggaaga aactattgaa 420

ccggtgaagg ctanatgaan aaggtcctca tgggatttcc tttaagggag tanaataa 478

<210> 15873
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-G7

<400> 15873

ttttcgcaag tcgctgtaaa gtttgntttg cttcttttta tatacacaca tacttctccn 60

ccatacagtt tcctcttcag gcctcagttt nttttctaag ccctattanc atctcaaaga 120

agagatcaag atttgaantc aagaagacac cattactcat gatcaacatg cttgccgttc 180

accgtccttc ttccgccgta tcagacggag attccgttca gattccgatg atgatcgcgt 240

cgtttcaaaa tcgttttcct tctctctcac gcgacnctan ggccgctcgt tttcacacac 300

acgaggttgg tccnaatcag gtgttgcncc accgttantc ngngagatct ccgctccant 360

cctcnancgt gtggtgnntc gtacgccgcn ttgnc 395

<210> 15874
<211> 546
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-G8

<400> 15874

nggnnnnnnn gaantggttc tctttggncc gnccgtccgg anagnatatc ccgggccgac 60

ccacgcgtcn antctaattc caaaatggtg gcgaaaggat ctggtttcca agcttccttc 120

aaaccgttgg ttgtccactc attttcttcc ctcttctctt atctttcctc cgccgtcgtc 180

gttgccttga agaacaagaa acgactccat ttttcctcat gaaacctcct ctctttatcg 240

ccgctatcgt tgttggtttg ctcgtgggat ttgacaatta cctctactct tacgggttag 300

cttatatccc tgtttctact gcgtctttga tcatctccgc gcaattaggc ttcactgctc 360

tctttgcatt ttttatggtg aagcaaaagt tcacaccttt cactataaac gctatcgttt 420

tgctcactgg tggtgccgta gtccttgccc ttaactctga tagtgacaag ctttgcanac 480

gagacacaca aggaatatgt tgttgggttc atcatgaact ccttgggtgc agctcttctc 540

taagng 546

<210> 15875
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-H1

<400> 15875

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gtccgagana atcatctcaa atctaggatg acttgtacgg acaacaacaa catcgttttc 120

gggcagcgag aggcggattc tgacagtgga ggaagtaccg tgacgatgga ctcgacgttg 180

cagatgatgg gtctagggtt ttcctcaaat tgttcttcag attggaacca aaccatttta 240

caagaagact taaactcaag cttcataagg agctcacaag atcangatca tggcnnngga 300

ttcntatcca caantacttc nccttanata cttaatccag cttgttcttc atctccatca 360

agnttcttcg tcctcgagct tgatncganc ttttacgatc ccgaaccaag tccatncaac 420

cntttgtct 429

<210> 15876
<211> 163
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-H10

<400> 15876

agnnagtggc tgagaccact gnttcaactt ctgtcgaagc taaggagaca tttccggtcg 60

agcngnccaa ggaatcaact cctgctgttc aaccatgagg ttgcaggccg tcnaagagtc 120

ttcttctgct gatgctggtg atgctgcagt cttgcacctg ana 163

<210> 15877
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-H12

<400> 15877

nnnggctttn ngggccccaa ggtcnggana ncccgggtgg ncccacgcag tccgcccaag 60

cgtccgcaca tgtagatgca tcgctttctt ttaatgctct tatttccctt tagcgacaac 120

cgtcccatga tgttcttcag atcattcatc gttttcttct ttcntatctt tttcgcatca 180

aatgtttctt cccgtaaaca aacctacgtg atccacactg tcacaaccag taccaaacac 240

atcgtaactt cacttttttaa ttcactccaa acagagaata tcaacgacga tgatttttct 300

ctcccgggag attcactata tttacgagaa tgccatgtct gggtttctcc gngactctca 360

ccgacgacca gcntgatacg gtgaagaaca caaanagggt ttatctctgc ctatccacga 420

cgagctctta tcctctacac acgacataat ctcacgaagt ttcntgggtc tcgaattcgg 480

ggatcggtcc ttgggaacga gacgaaccta tc 512

<210> 15878
<211> 64
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-H3

<400> 15878

cttttgccaa tgtagtactg accttcaatg gttgtgacat agtcagatan gatgctgaan 60

aaga 64

<210> 15879
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-H6

<400> 15879

ctaggcctaa gcttgtcttt ggcctttgag aatttcgaga ccaacactag agtacacttt 60

ataacctctc aagttcctgg ttataaactt aaatttccag gatttgggac acttaagtaa 120

ctcagtcact tcgcacatac cattcaagcg gatataatct ggatttattg gcttctcata 180

gtcccaacca tgcatctcta actcaatccc tgtctttttg atataggaaa ctaggcattg 240

atatatggtt agatacgtgg caatacatga gtggagacag tagctgtgag acgtggcaag 300

agaagattgg tcgatgggag tgttagagga agaatcnaga tgcagagata tatagctaat 360

gaagatcatt tgcagaagat nngaagattt tggatttgtt gtttanaagt ttccttttgg 420

attctctctt anaatcgttc ctcatcgttc cgccgggagt ttg 463

<210> 15880
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-H7

<400> 15880

atttgcttcg tacggatttg aaggctttac ctcaccggag cttccaagta gaagacgaca 60

ctgagtcact gacacaggga tacaaattat ggcgcctttt ggcgggaaat ctttagcgga 120

cgttgtttct ggcatcggag ggaatggtgt tggcggggct ctggctgcgg tggccgccgc 180

tctgttggtc cgcctcttcg ctggacctgg catcgctctc ttacctgaag acgaagctga 240

agatgattac gctgagacgg aagacggtgg tggtgattca attcgtccgg tgacaatccg 300

ttggaggaac atcacctgct cgctctccga taagtcctcc aaatcggtga aggtttttgt 360

tgaaaaatgt atcccggaga agcaaaaact ggggangttg ctagcgaata agggtccntc 420

ctgggttccg gggaaaacaa caattgctca aatgttttag caaggacagc tt 472

<210> 15881
<211> 152
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-A10

<400> 15881

atcnnatttn atgatcggtt gcagtacgga gactaattgc tgggagttta ggttcatgtg 60

ttttgaactg agcttttggt tcctgtttgt gtcnggngtt gaagacatgg atttggaagc 120

naattgtaag gaacaacttt catatnttcg gg 152

<210> 15882
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-A12

<400> 15882

nnnngggntg ngantggtct nctgttcagc ctccgganca tccanggtcg ncccacgcct 60

ccgccttaac ctaacagcga ataatagaag aaaaagtaca aattctctaa taaagcggta 120

aaagcgttta agaagatgaa gaagaaaaag gaaacgcctc caaatcacca ttattgtccg 180

aatcttcttc gcgtctctca ccaacaccac ttctcctacc ttcttcttca caccaaatga 240

ttctctcgta taatattcat caaacccaga tcatgttttc atcatcaatc atctcttaaa 300

ctcctctata gatctcaccg catgacgttc cgaagtttac tccaggaaat gcggtctang 360

ccacaccgtg tagttcacgc cgccgcctca accgctaata gttcagaccc tttcagctgg 420

tcggagctcc cggaggagct gcttagagaa atcctgatta gggttgagac tgttgacggc 480

ggcgattggc cgtcgcgggg aaacgtngtg gcttgt 516

<210> 15883
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-A2

<400> 15883

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gtccggatta gcgtnagaga ctcagtcgag cagagaatga cgacgattgt tcccacctcc 120

gaagaagatc cttacctcgc cattgttcgt ttcacttccc agcttgcctg ggctgatgct 180

ggtcccgagg tcgcagagcc tgaagtttcc aggctatgta aggaagcaga ggagtctata 240

ataaatggga agtggctgga tttggcaacg ttgatggtaa cttcagctga cttggtatca 300

gccaaaatct ctgagaaaga tcttgagtgt acctacacca tcatttgcaa ccttgtcaag 360

aatgcgaaca gtcctgagga agtccttgaa atggtgaaag ctatagctgc taaggttatt 420

caacaaccan acgacaaagc ttcattgcgt ttgaagatcc tcttcaatct atataatctg 480

gtagaccacc aaatgctccg tttcaagtat acattg 516

<210> 15884
<211> 532
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-G10

<400> 15884

ngnnnnnngg gggnngaant ggtttgcctg ggtctacgng gccganantc ggnataggcc 60

gggtggaccc acgcntccgg aaaaagagct cgaaacaaaa atggagggaa ccttctcgcc 120

gctttgctta cgttcttctt cgaacctctg ttacttctcc agtaatgttt caccagattc 180

tcaccgttct ataggattta cattggttga ttcgctccgg ccaacgaact tggtttccct 240

gcgaacggga aatanacgtt cgtcatcgtc ttcactacgg ctatttctct ctccgactag 300

aagcgctctc cgtacgccga ctatttccgc ggnngacgtg anagatgtcn cgatgccgaa 360

gattganaag agcggccgat tangcagtcc tccgatccgc acgcgagctc gctcttgtta 420

tactttatgc cgcaatgctt agaaaggctc tgaaccantt cgtctctttg agaagagaat 480

aancgcaaga anaaaagcct ggatacgaat ttgacaagag ttctttgttg gg 532

<210> 15885
<211> 538
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-E3

<400> 15885

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gcttgaagaa nantccagaa ngtaaagtca cagttgtgaa gtttgatgag aaatgggttc 120

cggattcaga tgttataaca caggctttag aagagaagta tcctgagcct cctcttgcta 180

ccccacctga aaaggcttca gttggatcga agatcttttc cacatttgtc ggttttctga 240

anagcaaaga ttcaggagat ggaactgagc aagttttgtt ggatgagctt actacattca 300

acgattatat caaggacaat ggnccttca taaatggaag agaagatctc ggcancagat 360

ttgtccttgg caccnaagtt ataccacatg aagattgcat tgggacatta caanaactgg 420

tctgttccaa antcacgtcn tttcgtcaaa tcccacatgg gagaatgttt tctcgaaggg 480

aatcattcac gannacacgg tccggaaaca gangatgttc attgctggtt tgganacc 538

<210> 15886
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-E5

<400> 15886

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agtacatcaa gcttgtcctc catctcctgc ctcctctgga gatctctctc atgatgactt 120

cgaaggtatg agaaactaca gagataatgt taaactgcaa caaggtttta gaacaccggg 180

cagcccttag cgacgatccc tttctctgtt gggcaatttg ccaaagggca atggtctgtg 240

ttctcattcc cccaccaatc tggtaagctt atgttattgt tctgtaacgc aaagtagatc 300

aacactccca taaccgcagt gcctgcatca agagctgcag agaggatgta gttatgcctt 360

gcccaccatc ccttgtacct cctgaagata tagtagttga acacgattcc aacagcgaac 420

cacgaccagt atgcacancc ttggcattgg catca 455

<210> 15887
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-043-Q1-E1-E6

<400> 15887

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gcttctcacc tcaagcgatc tggaaagatt gagcttcctc tatggacaga cattgtgaag 120

actggtcgtt tgaaggagct tgctccatat gaccctgatt ggtactacat tagagctgct 180

tctatggcca gaaagattta cttgagagga ggtcttggtg ttggtgcttt cagaagaatt 240

tatggaggta gcaaaagaaa tggaagtcga ccaccacatt tctgtaagag cagtggtggt 300

attgctcgcc atattctcca acagttggag acaatgagca ttgtcgagct tgacactaaa 360

ggagggagaa gaatcacttc gagcggtcaa cgggatttgg atcangttgc tgggcgtatt 420

gcanctgaat catgaagagc tgttgttctc cttatgcttg cttg 464

<210> 15888
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-E7

<400> 15888

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cgcttggtgg tggtggtggt ggaggaggag gaagtggtgg tggtattggt ggtggcggcg 120

gagggaggtt tatgacgtat tcgtcgtctc tttcggtgcc tccttctgct cctcagtctc 180

ctaattactc cggtggtctc cgatcacagt cttctgtctt cgttgagcaa gagaagtatc 240

tttcagagtt acttgcagag cgtcataagc ttactccatt cctgcctgtg cttccacatg 300

catttcggct actaaaccaa gaaattttgc gtgtaaccac actgttggag aatgctacag 360

ttttaagtca gantgggctt gaacacccta nccctctggc ttccggaagg aatattcaan 420

aatgcaagaa ctgacatnaa tggatgggcc tccaattttc at 462

<210> 15889
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-043-Q1-E1-E8

<400> 15889

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atccgttaga cgccgtacag ccgccgtttc cgagtaccgg aaaaagctcc tccaacataa 180

ggaactcgaa tcccgtgttc gaacagctag ggagaactta agaggagcta aaaaggaatt 240

caacaaaacc gaggatgatc tcaagtctct tcaaagtgtt gggcagatta ttggagaagt 300

gcttcgaccc ctggataatg aaagattgat tgtgaaagcg agcagtggtc cacgttatgt 360

ggtgggttgc cgaagcaaag tggataagga aaagctaacc tccggaactc gagttgttct 420

cgatatgaca acactaacaa ttatgcgagc cttccccgag aattng 466

<210> 15890
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-E9

<400> 15890

gggaanacaa agctgaccca tacttagcca cggttctaaa ttgcgcacta tgggtctttt 60

atggcttacc aatggttcaa ccagatagtc tccttgtgat caccataaat ggtaccggtt 120

tagccattga gctggtgtat ctcgctatct tcttcttctt ttctccaact agtcgcaagg 180

tgaaagtggg gctatggtta ataggagaga tggtgtttgt aggaatagta gccacatgca 240

cattgctatt gttccacaca cataaccaga gatcttcttt tgttggaatc ttttgtgtca 300

tttttgttag tctcatgtat attgctcctc tcaccatcat gagtaaggtg atcaagacca 360

aaagtgtgaa gtacatgcca ttctctctct cacttgccaa tttcctcaat ggtgtcgttt 420

gggttattta ngcacttatt aagttcgacc g 451

<210> 15891
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-043-Q1-E1-F1

<400> 15891

gnnnnntgaa tggtctgtct ggcccgggac cgtccggata tcattaggtc gacccggccc 60

gtccgcncaa ncgnaacgaa ggagaagcgt gtcaacgtga aaggatactt tgtttggtct 120

cttggggata attacgaatt ctgcaacggc tacaccgtca gattcggact tagttacgtt 180

gatttcaana ntgtcactgc tgatagagac ctcaaagctt ctggcttatg gtaccagtcg 240

ttcttgagag ataccaccaa gaaccaagat atcctccgct caagtctgcc ctttaagaac 300

ggggatagga anaggctcac atgaagnncg tgaancactt tatgcccatc gagatcanct 360

tcacgtcncn tctgtcganc ng 382

<210> 15892
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-043-Q1-E1-F11

<400> 15892

aaatccacac agataaaaaa acgggtgagt tttatatcaa atagacgaaa atgcccctgt 60

cggcgacggc ggatacaagc aagacggtga agctggagag gtacaatagc tacctccgga 120

agattcacag caccaaagtt ctcaacgctt cttctaaagt tcttttccga gcaacgcttc 180

tcgtagctct tgtcctcgtc ctcatcttcg ccatcaacta ccctccactc tccgatagcc 240

gcgccgccgc agcacaccac ctccaccgtc gtagcttctt atccaccgga ctcttctcct 300

cctcctcttc ttcctcctct atcggtggag ccgcgtggga aaagcgcgtt agacaatcct 360

caacagccaa acgaccacac ggtctctccg tcctagtcac cggagctgcc ggattcgtcg 420

gattccactg ctcacttgcg ctgcgaaaa 449

<210> 15893
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-F12

<400> 15893

tgacaagtct tgacgaagaa gaagaaacag agctgcttca atggcttcta actcattact 60

acgttcttct tcaaatttct tcttaggatc ccatatcata atctcatcnc ccacccctaa 120

aaccaccaga aaaccctctt tccctttctc cttcgtctcc cgtgctaaat accaaatcac 180

tcgatcgtct caagacgaaa attcgccaaa tggtaaaccc aattcgccat tctcgtcgca 240

agtagcctta gcagctattc tactatcttc aatttcatct tcgccgctag ctttagctgt 300

agtggacgaa ccagcttctc cgtctgtcgt tatagaatct caagctgtga agccatcgac 360

gccatcgcca ttgttcattc anaacgagat acttaaggnt cctaagtcct aaatcatcgg 420

atntcccaag aanggttaca agtgggg 447

<210> 15894
<211> 544
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-F3

<400> 15894

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ccgggatnac ttncgactan aattgtggga agccgcaaaa aggaggagag cgaggaatca 120

atgaagctaa cagcagaaca acaaanagaa atcaaagaag ggatcttaag atgggaaaca 180

atcattactc ggatcacana cacaatggta tcgagcacaa ccaactctgc ttcttccaat 240

gaagagtcta gtgttgggaa agaagcttcc agcgaaaaca gcanaagctc tggtaaagaa 300

agtgagagtt ccgctaaagg tgaaagtgag acatccgcta aaggtgaaag taagacttcc 360

gctaaaggtg aaagtgagac ttcctcttca aaaagtgctg gtggaagctc tacaagcgct 420

actaaagaag aaagttcccg ctagtcagag cagtggtgta acagtgacac aagtcganga 480

agagacgtcc aaagatgttt ccgacattca taatgaacct ccgaaaagaa gtttccacaa 540

aang 544

<210> 15895
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-F6

<400> 15895

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ggcgatgaat atnaatgatg ctccaacgtt tgggtttggt ttccctaaga ttgataatca 120

agcacaagct cctgtgttca acaatgctcc tacttcttct atattttcat ctcctgcttc 180

aagtatccct cctcaggagt tcacttttgg agcaactcca ccaaagccaa caactggtgg 240

tgatattgca atggatggct cttagaacca gataatcata tactcttgca agaattttca 300

tcaacaaata tactgttgtg agaatgtttc tttttctttt ttgtacatgg agattggtgc 360

attgcttgag agagtttggg gtttgngaac atgagattgg aagcatcttt gtctggttta 420

tcctcaatct cccacaantt ctgtacgatc ttanagcgaa anang 465

<210> 15896
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-F7

<400> 15896

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cagcagagga ggtttcggaa atagganata aagaggagaa aacagagaat acgaagaaga 120

agaagagtcg aggctctgct ttgaaactgt cgataaagga gaaaaaggaa ttggcttctt 180

acgcgcatag tttgggtgat aaattgaaat gtcaactcgt cggcaaatct ggtgttactg 240

attctgtcgt tttctcattc ctcgagactc tcgagaagaa cgagctctta aaggtgaaaa 300

tacgcaagac atccgcccga tgagctanaa gatgcggtgc aacatttggg angaagcgac 360

tgggttccgt nagcagttag ggcaaatang gcggactgtg aaattgtata ggccagtccc 420

aaccaanatg aaagcanagg cgaanaanaa ggaattgana gaagtcnat 469

<210> 15897
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-043-Q1-E1-F9

<400> 15897

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gagaatcatg ggaaacggaa actcaacgga gacgaaagag tcgcgccgat caaagatgcg 120

taagaagatt caaaactttc gcagccgccg ccgtcttagt cgtccaggat ccggaagcgt 180

ctctggattg gctagtcaga gatctgtgag cgcagatgat ttcgccggca ttgctcttct 240

cactcttatc ggcgcggaga tgaagttcaa ggacaagtgg ctcgcctgtg tttccttcgg 300

ggaacaaact ttccgttcgg aaatttcaga ttccacagag aagccgattt ggaactcgga 360

aaagaagctt ctcctggaga aaaatggacc aagtctggct agaatctctg tatttgaaga 420

acaatagact cttgaagaac aatat 445

<210> 15898
<211> 541
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-E2

<400> 15898

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gcgtccgatc cacacnaaac tgaagaacca aacctcacaa cgctccagaa gcatccctgt 120

cttgtctctt aaatccacat tgaagccact taaacgcctc tccgtgaaag ccgccgtcgt 180

ttctcaaaac tcgtccaaaa ccgtgacgaa gttcgatcac tgtttcaaga aatcatcaga 240

tgggtttctc tattgtgaag gaactaaagt tgaggatatc atggagtcag tggagagaag 300

acccttttac ttatatagca aacctcagat cactagaaac ctcgaggctt ataaagaagc 360

attggaagga gtgagctctg tgattggtta cgctatcaaa gctaataaca atcttaaaat 420

tttggagcat ttgagaagtt taagctgtgg tgctgtgctc gttagtggga aatgagctta 480

gacttgctcc tcgtgctggg ttcgattcca caaagtgcan tttcaatggg aatggcaatc 540

c 541

<210> 15899
<211> 472

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-C4

<400> 15899

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tcttctctct gagtaaatca atttcacaaa ttcgaggttt ttggttttta gcttactaca 120

ctactccaag aagaaaatct caagttaaag tcatttccta tcaaatctct tttcatggcg 180

gctgctattc tcgtttctcc tgttcgctaa attgcgtcat tttcattgaa gcttattata 240

aaagcggcgt agatctgtga ttctactcat tgcatttccg cgtttgtgag gagaaagagg 300

aaagatgttg tgtgctggtc aaggcaacaa ttccggttcc aaggattaac ccggttcccc 360

gggatcccta agctacaaag aagaatttcc aaccaagtgg gactttcctt cccaaacngg 420

aggangcaat tgggaattcc aaaattggga agatattcaa agttnaatga ag 472

<210> 15900
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-C5

<400> 15900

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tgatctttcg ggtcagttga aggaatttaa ggcagagctt gctctccttc gtgtcgctaa 120

ggtcactgga ggtgctccta ataagctctc taagatcaag gtggtgagga agtcgattgc 180

tcaggtgttg acagtgatct cacagaaaca aaagtctgct ttgagagagg catacaagaa 240

caagaagctt ttgcctcttg atcttcgtcc caagaagact agagccatca ggaggagact 300

cactaagcat caggcatcgt tgaanacaga gagggagaag aagaaagaaa tgtactttcc 360

aataaggaat atgctattaa ggtgttaagc ttttatcttg atnacatcaa tttttgtgtt 420

tgaatttgag ctcctgt 437

<210> 15901
<211> 490

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-C6

<400> 15901

antttctcc tccttcacgg caaatcgtca ccgccacatt atctcccaaa ctaagaatct 60

agggttttct aagggttttt aatcttcgtc cttctctcct tctccagttt taggtttcag 120

tttcagatgg cgagatacgc tgctggtgcg gttgattgtc ctggttctcc caaatctgtg 180

cgaatcgttg tggttggtga taagggcact ggaaaatcaa gcttgattgt tgctgcagcc 240

actgattctt tccctcccaa tgtccctcct gttttgcctg attacaagtt gcctattgaa 300

ttcttccctg atggtatacc cgtcaccatt gtcgacactt cctcgaggcc agaaagataa 360

gggaacattg ttgctggagg aaattgaaac ccngcaagat gcaagtaatt tttgacataa 420

tgcctggtga atncnaacct tgaanactcc tccnaaaggt tttgaagttn aataactggg 480

ccttccaaag 490

<210> 15902
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-043-Q1-E1-C7

<400> 15902

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gattcaacag caccgccaaa accggtgaga atcacctgtc caacagtcgc cggaacttat 180

cccgtcgttt tattcttcca tggcttttat cttcgcaact acttctactc tgacgttctt 240

aaccacatcg cttcgcatgg ttacattctt gtagccccac agttgtgcaa attattgccg 300

ccgggagggc aagtggaagt ggacgatgct ggaagtgtga taaactgggc atcggaaaac 360

ctcaaagctc acctaccaac ttcggtaaat gctaatggaa aatacacctc actcgtgggc 420

cacagccgcg gtgggaaaac ggcgttttgc 450

<210> 15903

<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-043-Q1-E1-C9

<400> 15903

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agatcccggc gccggagacc ggaagaaaga agaaaggttt gatccgagtg cacaaccacc 180

gttcaagatc ggagatataa gggcggcgat tcctaagcac tgttgggtta agagtccttt 240

gagatcaatg agttacgtcg tcagagacat tatcgccgtc gcggctttgg ccatcgctgc 300

cgtgtatgtt gatagctggt tcctttggcc tctttattgg gccgcccaag gaacactttt 360

ctgggccatc tttgttctcg gccacgactg tggacatggg agtttctcag acattcctct 420

actgaatagt gtggttggtc acattc 446

<210> 15904
<211> 519
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-D11

<400> 15904

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accanatgat nacaggctct cgcttataat ggatcctcag cttaaaggtc ggtttccggc 120

aaaagcggct aggagcatag cagatatagc acagaaatgt ctgcaggtgg agccttcaga 180

gcgtccaacc atgagaaaca tcgtggatca actcaagatc atacaggaca tgaagtactc 240

gtgtaggttc ccattgagag aacccgcacc ggtcgtggca aggaaacata tgggaagatc 300

aagcagtctc aacacgatta tttggacccc ggcatcagtg ccaccaaggt cgagtttttc 360

accgtcacct ccaccacgac gaccgtctgt ctcacccaca aggggacgga cgctcgtgtt 420

tcccccagtg tttccgccgc gagcgtgttc atctttggag gaaatggctc gggaagaggt 480

tcgaagatcg tcttcagcca ntggtaagga gaactancc 519

<210> 15905
<211> 68
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-D12

<400> 15905

gaggaattca ngggatncgt attcaagatc atgggaggat gtgacaagca aggtttccca 60

atganaca 68

<210> 15906
<211> 533
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-D3

<400> 15906

nngnnngaac tggtttgttt gnccgnccgt ccgganatca taaggtcgac ccgnccgtcc 60

gcccaagcga acgcaaaaaa naaaaaanaa naaaangttt aaaacaaaaa ctaaaanaat 120

agaataatgg caagagttca actattgtta tgcttcacca ttcnatttgc atctgtgacc 180

cttcttgacc tagtatcagc acacctgaaa tttaagccat ctttgcctca aatcgaagat 240

ccaaagacgg tgaaggatgt anagccttac accgttaaag tagtaatggt ctttgtggcc 300

gacctcgaga aggaatgtcc caagacaaac aagttcaagg ccttctttga gaaacttaga 360

ggattcgcca agtatgtttg cccaataana aggattggcc aagtagatta cgaccgggac 420

atgaaggcca aagccggggg tatcntcang gccatatctt cctttgcgat tggaaagatt 480

aggaggaatt cangangaaa aacacgaggc tattggatac ctttaggttc cat 533

<210> 15907
<211> 531
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-D4

<400> 15907

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caaaaatttn aataaccatg gagggtgtta gtgcaactat gcataagtta aggccttatt 120

tgttaatgat ctttttgcaa tttggagcag caggaacata tattgttatt atggccactc 180

ttaaccaagg ccagaaccgt tacgtcgtaa ttgtgtatcg taatcttgtg gctgctcttg 240

tccttgcacc ttttgcactc atctttgaaa ggaaagtgag gccgaagatg acactatcgg 300

ttttgtggaa aataatggca cttggtttct tagagccagt cttggatcan ggttttggtt 360

acttggggat gaacatgaca tcancaacat atacatctgc gatcatgaac attcntcctt 420

ctgtcacant tataatanct tggattttan gaatggagan agttacatag cggacgtana 480

anncatagca gangatcatt gggacantgg ntgggtctgg angggcccta t 531

<210> 15908
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-D5

<400> 15908

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gtggtcacct gaacgcgtat acatcgaggg aacagaccac ttattatgct aaggttttgg 120

attccaatgt gaaccaggct ttggatgtct tggctgatat cctacagaat tctaagttcg 180

aggaacagag aattaaccgc gaacgagatg tcatcctcag ggaaatgcaa gaggtggagg 240

gacaaaccga tgaagtggtt cttgaccatt tacatgccac tgcattccaa tacacacccc 300

ttggaagaac tattttggga cctgctcana acgtcaaatc catcaccaga naggatctac 360

agaactacat taagactcac tacactgctt ccaggatggt gantgctgct gcaggacctg 420

ttaaccatga ngaanttgtt gagcnantta agaaccctan ttac 464

<210> 15909
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-D6

<400> 15909

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tagctcacct ccatggcctc tcctccttct cctcctcctc tcttctttca cctccggcga 120

atcctctctg tccgcagaaa aaaacaaatt gcacaccggt ggtctcagta gacagagttt 180

tcctaaagga ttcgtgtttg gaaccgccac gtcagcttat caagtcgaag gcgagactca 240

tcaagacggt cgtggcccaa gcatttggga tgccttcgtc aagattcctg ggaagatcgc 300

cangaatgcc acggctgaga taacagtgga ccagtatcac cgttnacaag gaagatgtgg 360

atttgatgaa naaactgaac ntcgatgctt acagattttc catttcatgg gccaaggata 420

tcccttangg gaagtggtaa antcactgga aaggggnttg cctatnng 468

<210> 15910
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-D7

<400> 15910

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ttactttccc caaatgtaga attaagggtt tagggttttt agttccaaat tcaattctta 120

acgaagcaat ttcaaatctt tttttcattt cagttacagc gatgttttgt gcatcatctt 180

ctccaattac atctcctctc tacccaaaag cttataaatt ttctcaaaca aaatcgaatt 240

cgaagagatt ttcctctctg cgtgcttcgt tgcctgtttc tgataacaag cttcttaaat 300

ttgaatacac accatggctt attgttggac ttggtaaccc tggattaaag tattacggaa 360

caaggcataa tattggtttt gagatgattg atcatatagc tcgagcaacg gatatttcta 420

tgaacacaat tcantccaag gctttagttg gggataaggt ccgtt 465

<210> 15911
<211> 536
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-E1

<400> 15911

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cganaaaaac aacgataaaa ccgaaacatc aagcaaacaa aaaaaaaaga gaagagaaat 120

tatttttttt tgttttcgtt ttcaaaaaca aaatctttga attttatggc aacccgtctt 180

ctccgannaa actttatccg gcgatcttac cgtttacccg cttttagccc ggtgggtcct 240

cccaccgtga ctgcttccac cgccgtcgtc ccggagattc tctcctttgg acaacaagca 300

ccggaaccac ctcttcacca cccaaaaccc accgagcaat ctcacgatgg tctcgatctc 360

tccgatcaag cccgtctttt ctcctctatc ccaacctctg atctcctccg ttccaccgcc 420

gtgttgcatg cggcggcgat aggtcctatg gtcgaactan ggancgtggg tcatgaactc 480

taaacttatg ggacgccttc ggtgacgcgt ggcatggttt tanggcntgt naaaag 536

<210> 15912
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-E10

<400> 15912

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attgtcaatg gaaactgtta gaccattgtt gtttccgaat caacaacttt ctagtctcaa 120

gcttgattgt ggaaggcttg gtaattcagc tattgatata ttggtacgtc cttctttgag 180

ggagatttct cttcacaatt gtcgggattt cagcggagat ctcatctccg aaattggtan 240

gaaatgcaag gatttgaggc tcctatgttt gggttcagta gcagagaaag ttggtcgaag 300

tattagccgt tgtgctttgg aggatttact taatggttgc tcccatttag aggtcttagc 360

actcatgttt gacctctcat tgtagctgcg tcctggtgat gggcgcattt ttggattggt 420

atccgataga ttgactcatc tggagc 446

<210> 15913
<211> 533
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-043-Q1-E1-C3

<400> 15913

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ccgaaannтt tagagcgaag tttgcttgtg tgtgagtgtg tggttatgga ctctccgttc 120

aaacctgatg tcgtcagagg tcaagtggct ctcatcaccg gtggtggatc cggtatcggt 180

tttgagatct cttctcagtt tggcaaacat ggagcttcta tcgctatcat gggacgacga 240

aaacaagtcc tcgatgacgc cgtctctgct cttcgatctc ttggaatcca ggctattgga 300

ttggaaggtg atgttcgtaa gcaagaagat gcgagaagag ttgtggaagc aacttttcag 360

cattttggta aacttgatat tcttgttaac gccgctgctg gcaattttct ggctgctgct 420

gaggatttgt ctcctaatgg cttcagaaca gtcttagaca ttgatgcggt aagaacattc 480

aacatgtgtc acgcagctct caagtatcct aaanaaagga nccctggaaa aaa 533

<210> 15914
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-B1

<400> 15914

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cacaagcttt gttctacaac tataagcagc ttcctgttca acgaatgntc gatttcgact 180

ttctctgtgg acgtgaaacg ccttctgttg ctggaatcat aaatcctggt tctgaangnt 240

ttcaaaagct ctttttcggg cangaggaaa tcgctatccc tgttcatgcc gccattgaag 300

cancttgtgc tgcgcatcca acaacggatg tattcatcna ctttgcatcn tttanggagt 360

gctggctggc cttcaaccaa ngggctgcct tgaaancann ccgnactaat taaaagttng 420

tggggaaaat taatancctg aaaagg 446

<210> 15915
<211> 530
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-B2

<400> 15915

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nantatcaca naccagcgat tcatcactcc aagccagggc tctcgtctac ngactttgtg 120

taccaaagtc atcataccaa acatgcaaga ttcaggatca ccaccactct cttatcntac 180

tcagcgagaa nccgctgaga ttgatgagac cttgatgggt cctcttggtt tctccattga 240

tcagctcatg gaattggctg gtcttagtgt ggcagcttca attgctgagg tttataaacc 300

ggaagaatat anccgggttc tagctatctg tggtcctggg aacaatggtg gtgatggttt 360

ggtggcggcg aggcatttgc accactttgg atataaaccg tttatttgtt atcccaaacg 420

tacagccaag ccactttata ctgggactgg tcactcagtt ggattcactc tcagtccctt 480

ttgtttccgt tgagggatct gccggatgac ttgtcaaagg actttgatgt 530

<210> 15916
<211> 529
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-B3

<400> 15916

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ctnnngccaa anttnnnttn ggnanancaa actccnggtc ctaacctngn gncctgcaga 120

cngtagcatt gacagagaag catggaggan ggcgatctga aacaaaccag aaaaagtctc 180

ttccaataga acctagcaca tgtaaaaaaa tcaggaaaga cgtgaacatc aaagatgaca 240

acagcaaaga gaaaaatgac aaagaagaga gcaaatcagt ggatggagag aggaaatatc 300

tgagagggac atatttaact ccatcaagcc aaaaacactt tgtgacatta acaattacac 360

cttcctctat aaaaaaagat agacttattc tttccccaca atttgcaagg aagaacaata 420

ttgacaagcc tggaatgata tatctgctgg gatacagatg gtacaaaagt ggctgatnag 480

ccttcaacga ngataagaan ggaacaatga gttttgggaa aaaggttgg 529

<210> 15917
<211> 530
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 15917

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cganaagttt ccngttaccc gactcgattc cgacgccggt gctctcttcg tcctccaatc 120

aaaaggcgag tggtggcacg ccggatttca tctaacgacg gcgattgttg gtccgacgat 180

attgacatta ccatatgcgt ttagaggatt aggatggtgg ttagggtttg tttgtttaac 240

gacgatggga ctcgttactt tctacgctta ttacctcatg tctaaggttc ttgatcactg 300

tgaaaaatcc ggccgccgtc acatccgttt ccgggaactc gccgccgatg ttcttggatc 360

tggattgatg ttttatgtag tgatctttat tcaaacagct atcaacactg gaattggtat 420

tggcgccatt ctacttgcag gtcaatgtct tgatanaatg tantcgagtc ttttcccgca 480

angaacgttg aangctttac gagttcattg ctatggtgac ggttgtgata 530

<210> 15918
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-B5

<400> 15918

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ttgaagagtg gccgttaata agcaaactag acccggccgt ttatggtgat cccacctcac 120

tcattcttgg gaaattgtgg naagagaagt tnaagggaac atgacanttg ntgaagggtc 180

caaaganata agagattgtt cgtgttgggg tatcangatt tgcttctacc atatgtgaac 240

aaagtgagag agttaaacaa taccacatta tatgcttcta gaacactatt cttcctcagc 300

gatgatagca cattgaggcc tgttgccatt gagttgactt gtccancaaa tatcaaacaa 360

agccccaatg ggnaacaagt cttcacgcca aggctattga tgccaacgtc aatgcctggg 420

ctatgggatc cttggccaag aactccatgc taactctcaa tggangccng gttancaatc 480

angctttatt tccc 494

<210> 15919
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-B6

<400> 15919

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gtatacattc ttcatcatca tcatcatcat catctgtgtt tttgttcata ttcatttttc 120

agttatcgtt ttcaattttt aaaacttttt tcttgggttt cacaaaattt gtcgttaatc 180

gatgaatttg attgttttca agatcaccca tctctcgaat tcacgaaatc tctcagcttt 240

tccgtgattc ttggtaaaaa ttcacaaaat cgaaattgga gaaagaaaga aaaaattagg 300

gtttgaggaa aagcttcgat ttttcacacg atgagtcatc accgggcgag attccggcgg 360

agatgtagtt cacgtgattc ccacaaacaa tcctccgccg ggataantgg gtttccgnat 420

ctcgggnaaa gtgctggttt gggcgacgga agatgag 457

<210> 15920
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-B8

<400> 15920

tncatctctg gtagacccga ggaagaggtc aagaacattc ttatgaacca tgtggttctt 60

gactactttg atgagcttaa gctcaaggct ctcaaggaaa agagcacatt gctcactacc 120

ctttaccagt ccaccggttt gggccaacag caaaacggtt tcctcaactg caccaaatct 180

aacggaaaga tttactttgg ttctggtgtg aaaggcgctc ctcaaaccgc tgaatacatc 240

acaaccgttt tccgtaaccc gtacaatctc tctgtggtcc aagatcagca tgcccattgt 300

ggcacctgga ctcgggtctc cggttaaggt tcctccacca ccacccatgt cttcaccacc 360

ggccccatct cccaagaagg gtgcagccac tccagctcca gctcctgctg atgaagggga 420

ttatgcagat gctcctcctg gtttaactcc agaaaccgca cctgcatctg 470

<210> 15921
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-C10

<400> 15921

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ggtttaactg tgatagttat atcaactctt tgttggtgtc tttggctcta cgccaaatgc 120

aaacggcggt ctccaccgtt gccgccggga ccttggggcc ttcccattat cggaaacctt 180

ccattcctcc aaccggagct tcacacctac ttccaagggc tggctaaaaa ncacggtcnc 240

attttcaaac tctggctcgg ggccaagctc acantcgtgg tcacctcttc tgaattaccg 300

cacgagattc tcaaaacgaa tgacatcatc ttcgcgaacc acgatgtccc tgctgtgggc 360

cctgttaaca cgtatggtgg tacggagatc atttggtcgc cgtatggacc aaagtggcgg 420

atgctgagga agctatgtgt taataangat actg 454

<210> 15922
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-C12

<400> 15922

ggttccaaga gaacttagct tcttgttcta cgtacgacac caaaaattaa ttcaaaaaag 60

aaaaagaaga gagttcaatg agaaaacatt ctcttgatcg atggctttta acagctgttc 120

ttgtcgttct cctctcgtct tcttcctcct tcgcggccaa gaaggacgcc aagaagaaga 180

agaagagtaa taaggaggtg acatatgatg ggaacctctt tgatcatcga tggcaaaaga 240

gagcttcttt attctggctc tattcattac cccgaagaag cactccggaa atgtggccaa 300

gtatcatcaa gagagccaag caaggnggtt tgaacacgat tcagacatac gttttctgga 360

atgtacatga agcctcaaca aggaaagttc aacttttcgg ggacgagctg atttggtgaa 420

gttcataaag ttgattcaaa aggaatggaa 450

<210> 15923
<211> 299
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-C4

<400> 15923

aactggtatt cctggngcca cggtccggan taccgggtng ngcccagcct tcgggcggaa 60

aatttgaaaa ttgagggaag ctaaaacaat tttcaaacac ncaatttctt gatcccatct 120

ggaattggat tccatcgatt aatctctcaa tggtggtgga ccaagatcag cantggctgc 180

tcggttgctt atcagcangt cttgacccta nctagaacgt ncgttctttc gctgagacct 240

ctctcaatca ggcttctctt caancagggt ttgggagtnc attgtgcaga gttgcngca 299

<210> 15924
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-C5

<400> 15924

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catgcattca cttccggtga atctcgtcct caccgtactt acggtgttcc taacatcacc 120

ggcgcaagtt atcggatacc gtccatatcc accaaaaacc aacggctccg atcaaatctt 180

cgacgcttca aaaaaattcg aaggctcatc gaatctcgtc cgcctccgtt accacatggg 240

tccagtctta accaacaaca tcaccgttca cccaatctgg tacggcacgt ggcaaaaatc 300

ccagaagaaa atcatccgtg agttcattaa ctcaatctca gccgttggat ctaaacaccc 360

ttcagtctcn gggttggtgg aaaaacgtac aggcnttaca ctgaccagac tgggattgta 420

acatgacngg tacgggttcg tccccggtna agagaaacnc gaacgggttt tattcccatg 480

<210> 15925
<211> 461

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-C6

<400> 15925

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gggtacaata ctttttatgg tttacagaaa attcaaagac catcgagaaa acaaagaaaa 120

tgattcttct tcttcaacac aaccgtctcc ttcaccacct ctgtcgtctt tatctctcac 180

gcgaaaatac gatgtctttc caagcttccg cggggaagat gtccgcaaag acttcctcag 240

tcacattcag aaggagtttc aaagacaagg aatcacacca tttgttgata acaatatcaa 300

gagaggagaa tctatcggtc cagaactcat tcgggcgatt agagggtcca agatcgcaat 360

catcttgctc tccaagaact acgcttcttc aagctggtgc ttagacgaat tggtggagat 420

nataaagtgc aaggaagaaa tgggtcaaac agtgatagtc g 461

<210> 15926
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-C7

<400> 15926

ttccaagtta taagataggg gttgaagact aatcgcagta tcatccgcgg ttcacttcct 60

tcgtttcgaa attattaggg ttactgcgta tttgcactct ccttcttcgt ctctccagct 120

tgacaatgcc tcgctatgat gatcgctatg gaaacactcg cctctatgtt ggtcgcttat 180

catctagaac tcgtaccaga gaccttgagc gtctctttag cagatacgga agagtacgag 240

atgtggatat gaagcgtgat tatgcctttg ttgaatttag tgatcctcgt gatgctgatg 300

acgcaagata ttacttggat ggacgggatt tcgatggaag tcgcatcact gtggaggcat 360

caagangggc tcctcgtggt tcgcgggaca atggtagcac aggcccaact cctggttctg 420

ggtcgctgtt ttaattgtgg tgtcnatggc actggggccg aaaag 465

<210> 15927
<211> 456

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-A9

<400> 15927

aaggtaaaat tggaattgca cacagtccag cttggttcga accacaagac cttgagcatg 60

ttggaggttc cattgaacgt gtgcttgatt tcatcctang atggtaaaat aattacaata 120

atgaaaaatg tgatatatta taactctaac tgtttataag ttctttttt ttttttttt 180

aatcaggcat ttggctccaa caacttatgg agattatcca caatcgatga aggatcgtgt 240

cggtcataga ttgccaaaat tcacagaagc tgagaagaag ttgctaaagg gttctacana 300

ttacgtanga atgaattact atacttcagt gtttgcaaaa gaaattagcc ctgatcctaa 360

gagtccgagt tggaccactg attctcttgt tgattgggat antaagtact aaagtaatcg 420

atantaaatt ttaanagtcc ttagntanaa tatcgg 456

<210> 15928
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-H5

<400> 15928

tcaagaaact caatccttag gcaactaagc cgaaaagaag gttggagatc ggcttctaaa 60

aggtggactt ccggagatag ctcaacagcc ttcaacgacg acacaagtgg tggtggttac 120

tcatcaatgg agggtcttta tggagtttac tccggtggag acacggcggc gagaagtaag 180

agagtgatgg ttgtagttga tgaaagttcg aggtctaagc atgctatgat gtgggctttg 240

actcatttga ctaacaaagg agatttagtg actcttcttc atgttgtgtc tcctgatgat 300

gaagctactc cttctttggc tcaatctctt ggttctcttt gcaaagcttg taaacccgag 360

gtggatgtgg aggcattggt gattcaagga ccaaagctag caacagtgtt aagccaagtn 420

aagaaacttg aagtcctgtt cntgg 445

<210> 15929
<211> 430

<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-041-Q1-E1-H6

<400> 15929

caaaatagag agaataatga aaaaacccta gcctgccccg ccgtggagga gaattacacc 60

acgacgagct cgtaatcgcc gctgggtttc tatgtttaca tcgctaagag attaaccatc 120

gagcgtgatt tggtattggg gttaggtaaa tttggggatc aagcgaacag tatcatttgg 180

aaatgacgaa agtagttgct aagaggaaga cgccttctga actgagagga gaacaattga 240

aacggactgc ttttgtggac caagctaaag aagcttttga tgcattgcgt ccttgcaaaa 300

gtgctgagag agaaaatggg ttcaagaaat cagagctttc gaagaatcca aaatacattg 360

agatgcgtat ggatgaactg tatcctgtca aaaaggctaa gccttggatg ctctctggca 420

aaagaaaact 430

<210> 15930
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-H7

<400> 15930

aatcatctct tcttaaaccc caaaacaaac aaacaaacaa acaaaaaata ccaaaacaaa 60

gaagaaaaaa aaaataacta tggatcttct ctttctcttt ttctctcttc tcctctctta 120

cctctttttc aagatctgga aactcataga ctcaaagcaa gacaaagatt gctacatttt 180

agactaccaa tgtcataaac caaccgacga tcgaatggtg agcactcaat tcagtggaga 240

gatcatttat cgaaaccaaa accttggttt aaccgaatac aagttccttc tcaaagccat 300

agtaagctca gggattggag aacaaaccta cgctccaaga cttgtctttg aaggtcgaga 360

agagcgtcct tcgttacaag atgggatctc cgagatggaa gagttctacg tggacagcat 420

cngaaaactc ctggaagaga aatcanata 449

<210> 15931
<211> 534
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-A1

<400> 15931

gcctgcgccc aacgggtccg ggaaatcccg ggtcgnacca acgcctncgg ccaaancttc 60

naaaattttc aanctnccnc ctcttccncn gccaacttat aatcccgtca aagatctttc 120

ctttttttctt cttctggttt ctttgtggtt tcctggaggc tctcagcatc ttcgagtcgt 180

tgcgaggatg cgttagaaga gagtctcctc tcaatcttcg aatctccaag actgtattga 240

ctggccatgg ctgctgatac cacagcttca agttactggt tgaattggag ggtcctcctc 300

tgtgcattaa tcctcttagc tccaatagta ttagcagctg ttctcatttg gaaatatgaa 360

ggcaagagaa gaagacaacg cgaagagcca gcgaagaatt accaagggac attgttccaa 420

gatgaagctt ggaccacatg ttttaaaaga atccacctcc tttggttgcc tgcccttaag 480

gtaatccccg tttggtgcaa atgttgaacn ttaancaant cccaaaggtt gnng 534

<210> 15932
<211> 328
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-A10

<400> 15932

agnccganac ccgggataga cccacgcggc cncccaancg tccgcacttc cttatctctt 60

ggaaaccaag aagcatggat cgtgtggtct tcttcttcct catcgcagct acgttactag 120

caggttctct cggatntacc gtcatctccg gngaggttac cgacggtttc gttaacccga 180

tnaggnaagt cgtcccggag gagaacgatg aacaactcct caacgcagaa catcacttca 240

ctctattcaa atccaagtnc gagaagacta ngcgactcaa gtanagcacg attatcgggt 300

ccgtgtcttc naaagnntac ctnanacg 328

<210> 15933
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-A11

<400> 15933

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cacgcgtcng anttagantc ttgagcngga ggncgntttg tggagcgtag taccgcttat 120

caaccgtggc tttggtctgc aggaaatcat gaagtagatt acatgccata catgggggag 180

gtgacacctt tcaggaatta ccttcagcgt tacactacgc cttacttagc ctcaaaaagt 240

agcagtcctc tttggtacgc tgttaggcgt gcatctgctc atatcattgt cctctccagc 300

tattcgcctt ttgtgaagta taccccgcaa tggcactggc ttagtgaaga gcttacaaga 360

gttgataggg agaaaacacc ttggctaatt gttttgatgc acgtcccaat atacaacagt 420

aatgaagcac atttcatgga gggtgaaagc atgcgagcag cttttgagga gtggtttgtc 480

caacacaaag ttgatgtaat ctttgctggg catgttca 518

<210> 15934
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-A12

<400> 15934

ngacgcgtgg gcaaaaacca aaatctcagt ctcaaacaaa caacaacaac acacgagtca 60

cgaggttgaa gaagaagaag aagaagcaaa tatgttaaac ggctggagaa gagctttttg 120

cacttccatt cccaaagaaa ctaaccaaaa cgacgtcgac gacgacggac tcgttggtct 180

ccgccacaaa tcaacctctc gattcggctt tttctcaact ccttctacgc ctcgttctga 240

ttccggcacc ggaacttaca gcctccgttg caggacttca acagccaccg ccgtctccac 300

tacttcatct cttcccggaa ctccaaagct taagtgcaaa accaccacca ccggagaaac 360

aactcccaga aacagaagcc ttgtctctct tttaacacct tcttcttctt ctatttctcc 420

ggggaagctt cactctcctc aaatccaa 448

<210> 15935
<211> 524
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-A3

<400> 15935

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ttttaacctt tcctncnnaa aaagaganta aaaggttgaa naanaagaan atgcnaggtc 120

nanttattga ggaagtgaat gaggaggctc ttatggatgc cattaaagag cagatgaagc 180

tccagaagga gaacgatgtt gttgttgagg atgtgaaaga tggagacgaa gacgatgatg 240

atgttgatga cgacgacgat gagattgctg atggagctgg tgagaatgag gcttccaagc 300

aaagtagaag cgagaagaaa agccgaaagg cgatgctgaa actcggaatg aaacctgtta 360

ctgatgttag cagagtgact atcaagagat caaagaatgt gttgtttgtc atctcgaagc 420

cggatgtgtt caagagtccg aactctgaga cctatgtgat aatcgtgaag ctaagattga 480

tgacatgagc tctcagctac aagcacaagc tgccaaaagg tcaa 524

<210> 15936
<211> 539
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-A4

<400> 15936

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gaaagggaag ccccggacaa tnnaactacg ttacggctga cggtaatgaa aagggtgcag 120

cgatgaanat cggtatcgtc ctccataact gccgtatcat accggacaag gagctcgaag 180

ctgacaagct aaccatcaaa tcgtacctag gaaggccgtg gaagaagttt gccacgactg 240

tgattattgg aactgagatt ggtgatttga ttaaaccana aggatggacc gaatggcaan 300

gagaacaana ccacaagact gctaaataca ttgagttcaa taaccgtgga ccgggagctg 360

ccactactca gaggcctcct tgggttaagg tggctaagtc tgcngctgaa agttgaaact 420

tacaccgttg gctaactggg tttggtccaa cctaaactgg atccaanaan gccanacgtn 480

gcccgttcaa cctaaggatt gtaagangga ccncacaana nagttaagga ntanannng 539

<210> 15937
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-A5

<400> 15937

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actctactct gttccttctc tcaatatttc aaattgtgtc accgtcactc ttactgccaa 120

gaactatatt ctctggaaat ctcagttcga atcttttctt gatggtcaag ggcttctggg 180

ttttgtcaca ggctcgattc ctgcaccaag ccaaaccagc gttgtttcag acattgatgg 240

gtcaacatcg gcttcaccca atcctgagta ctacacctgg ttcaagacag atcgagttgt 300

caaatcctgg gctccttggt tctttcttag aagatattct cagtgttgtg gtcaactgca 360

acacttctca tgaggtatgg atctctgtag caaancactt taatagggtt cctcctctaa 420

ggttaatttg agctgcaaaa gacgcctcca aantgttagc aaacgtgatn aa 472

<210> 15938
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-A6

<400> 15938

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gccgtttctt acattttcct ctgtttttt cccgggaaac agaaggaaaa ttttcgtttt 120

ttttttcttct ttttcccgga agaagagatc tttgtgaatt aggtagctgc ccacatcttt 180

aagacttgtc tcgagctggc gtggcttcat tcttccggtt aattcaattg gagaatgcaa 240

caaaggttac tgcttttatt agattctaaa gctagggttt ttgggaacgt gcttaatctg 300

tctgtatctt agcatttgag attgggtttt tgggtataat aacctattat ggattcaaga 360

attgagtttt tcttcgaggg atgtggtgaa ttgctgtgan tatgggtgtg attantcncn 420

tggggcatgt tcctcanatc ctttgggctn aggacgggga 460

<210> 15939
<211> 526
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-A7

<400> 15939

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gacgcgtggg cggacgcgtg gggcgtcttt ctctttctct ctgtctgaag ttgagaacac 120

gaaccactga aaaacccgcg aaagactcga gcacgaacca acaatggcgg aacccaaaac 180

caagtatgat cgtcagctaa ggatttgggg agaattaggt caatcagctc ttgaaaccgc 240

gagcatatgt ttgctcaatt gtggtccaac tggctctgag gctctaaaga atcttgttat 300

tggtggaatc ggaagtatca ccattgtcga cggatctaaa gtagaaattt ggcgaccttg 360

gaaacaattt catggtggat gcgaagagcg ttggtcagtc aagagccaaa acggtcctgt 420

ggctttcttc aggagcttaa cgattctgtt aaagcaaaat tttggttgag gagaatccaa 480

gacactttga tatcgacaga cccatctttc cttccctcaa ntcaag 526

<210> 15940
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-A8

<400> 15940

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acgcgtccgc ggaagcgtgg gcggacgcgt gggcggacgc gtggggttta cggaatcnan 120

tccaataatg agtactgcgt cggcttttag ttcaatccaa ggatgctggt tcaagggcga 180

aaggaaaant cgtgtagcgg ataagcgagc cannaggctt actttgggat cccatgtggc 240

ttcgccatct tcaatgagct tcagagtttc agctagtagt tctgttaaac ctgaaaagga 300

tattaggatt ggtcttcttg gtgcaantgg ctacactggt gctgagatcg ttangcttct 360

tgcaaatcat ccgcatttcc aggtcacttt gatgactgct gatanaaaag ctggccagtc 420

aatggaaagc cgttttccca gacctgagag cnananaact accnacnttg gtctccggta 480

nangatccan atttttcanc ggtgg 505

<210> 15941
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-H4

<400> 15941

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aagaaaataa aagaaaataa aaagatgggt tacatttcaa tgtccgtggt tgcattcctt 120

gttgtttttg cttcgccggt ggttctagcc accgatacag atccgattcc agaaaacaga 180

gcccaaatcc cgcaatggtt taaaacaaac gttaaaccat attcccagag aaagggcacg 240

ctagaccccg ccctcgaagc tgctgaagca gcgcgacaaa ttatcaccgt gaatcaaaaa 300

ggtggcgcta atttcaagac attaaacgaa gctatcaaga gcattccgac aggaaacaag 360

aaccgtgtga tcatcaagtt ggctcctggt gtatacaatg agaaggtcac aatcgacata 420

gctcgaccat tcattacatt gcntggg 447

<210> 15942
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-F2

<400> 15942

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gataagtttt tcatgttctc tagaagatca caacatgcct ccaaagccac tcgctatgta 120

cagggatgtg atctgctcga aggcgagtgg ggcgaagttg gaagcatact cttgtggaaa 180

ttaactgttg atggagagcc aaaagtgtca aaggatatga ttgaggcgat tgatatgaag 240

atgaatatga tccagtggag ggtgttagag ggacctctga aggaagagta caatattttc 300

tcgaaaacga tgaaagtaag ccctaagcaa gganggtctg gaagtgtggt gaagtggaac 360

ttgaagtatg agagaattga tgagaaagtg gctcanctan aaaggctcct tca 413

<210> 15943
<211> 529
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 15943

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cgacccacgc gtccgcgcaa tgttcgtcgg cgacgacgac tcagttcaga ttgttcggct 120

tcttgaccag acgcttactt ctattgatgg cgtttctgtc cgcgaggcga cggaggctct 180

ggatctactg tctacgaagc tccctcattt cccttatcgt cttctctcca tcgcttccgg 240

aagtgaaaat ccaagcctga aagttgctgc tgcaacatat ctgaagaatt ttaccagaaa 300

gagcactggc actgaaggga caatctcaga agtcagcaag gagtttaagg atcagctcct 360

cctagctttg cttcaggcag agcctgcagt tcttaaagtc ttacttgaac tgctgcacat 420

tgttgttgtg tcagaatttg ttaggaaaaa tgcatggcct aaacttgtac cggagctgcg 480

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<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-F4

<400> 15944

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gtctgcaaaa tccatcaact catttctcat tccaagtgaa atgcttgtcc ctacaaaagt 180

aaagcttaga tctttgcaga gacaagactc tggtgatgga caagactctc cattttcttt 240

cccaaggaga tctttcagcc gtttggagca gagtatattg gaagacgaga gctggtttca 300

aagatccaat ggtttccagc cgtacatgag tgtgacagag tctgcaaggg aaaagatgag 360

atcactgagc acaccaaggc aacgtgtang gatcatggat tctttgtttg ataactacaa 420

gaaggatggg gataaagtcc 440

<210> 15945
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-F5

<400> 15945

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ccttctgtaa tgatcatttc ctctacattg tacaaaaaaa gagtgttgta atgactcgtt 120

ccgggagacg atggtcggag cgacggtgag agttacagtt ttctttccgg cgaccaatac 180

tctcggcggc ggagatgttt aagtcagcga gatggcgtag cgagaagaac aggatcaaag 240

tcgttttcag attgaagttt catgcgactc aggcgtcaca gttcaataca gagggattga 300

ttctgtctct agttcccgga gatattggaa aaccgacggc gaggtcagag aaagctattg 360

tgaacgacgg acattgccgg tgggagattc cggtttacga gactgtgaaa tttctcaaaa 420

gatgtaaaaa ctgggaaaag ttaatca 447

<210> 15946
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-041-Q1-E1-F6

<400> 15946

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cgcagatcta cttacttggt cggaagttcc accgccggat tctccttcct ccgcttctcg 180

ctccgccgtt cgttcccacc agccatcgga tgggattagc aaagtggtgt ttggtggtca 240

agtcaccgat gaagaagttg agagcttgaa ccgcaggaag ccttgctcag aacataaaat 300

gaaggagata actggcagtg ggatcttttc tcgtaacgaa aaagatgatg cgtcagagcc 360

attaccagtt tatcagcaag cagttaatgg tataagccag atatcatttg gtgaagagga 420

aaatctatct cctaaaaagc cggct 445

<210> 15947
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-F7

<400> 15947

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cttccattat tacccttaac cagacctcat atctacactt cgataccctt ctccacnatt 120

cctgaagcta gacaacgcaa tctcatcttc acagtctctg cttcttcttc ttcagaatcc 180

acacaaaaca aaaaggtatg gagaaaacaa ccggagaaga acactacgtc gtcgtttcag 240

gccttaagga aacatcggag gtatcaaaga tctgcttttc tcgaccacaa cgtcgatatg 300

gacgagcttt tagcttcaat tcaccaagac ccagaacgaa aaagagcttt tttctttgct 360

ttcaacttac aaagacagac aattatctat acggttcatg gtctctcttc tttctcgaga 420

aaatgattgg cagagatnat tgggcatt 448

<210> 15948
<211> 523
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-F8

<400> 15948

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cttccttctt ctcctccaat ttagggttcc ttcaaattct ctctgatttc gtttgaaatt 180

gggggctcct cttcgaagat gacgatccct aattccgatt tcatgttaga aaacggagtc 240

tgtgatttgc cttttactcc tgaggaagag aaacggattg tatcggagct tactagcgaa 300

tcggaggata atttgaaaca aggcaacttg tattttgtca tctctaaaag gtggtataca 360

agctggcagg aatatgttga gaattcggct aatgaatgtt caactggaga gtcttcggaa 420

gctccgaggc ctggaccgat tgataaccat gatattatcg aaagtgatag cgacattaat 480

gattcacaac ttcgtagatt gctggtggaa ggggangact acg 523

<210> 15949
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 15949

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gtgggaggag agggaaggct gctcagatca agacaaacat attgggcttc tctggtttcg 120

tttggcatgg agatgagaag aaagcaaaag aaaaagtaaa agaaaagctt gagaaatgca 180

ccaaagagaa actgtgggag ttttgtgatg tgttggacat acacattacc aaggctacaa 240

caaaagaagg tcattatggt tatcaatttc taagtttttg ttcttgagat tcatttttt 300

cctctgtgaa tagatacatg tgaaggttta aatttctgtc nttgttgaac agcttgatta 360

gccatttctg gttgtccaag tttatgctta atcatttccc cattaatcga acctggcaac 420

ttcctgttgc atgc 434

<210> 15950
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-G1

<400> 15950

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ttgagaaatg gattagggtt tactaacaat tttgcagccc cacctaaact tgctgatggg 180

aatgatcatt ttcctagaag gagaaggagt tttggccaag ggaagcgaag aatgaacaaa 240

aggacaagct tggctcagaa ggatgatgta atcaggagaa ctgtatatgt ctctgacatc 300

gaccaacagg ttacagagga gaacctcgca ggtgtcttta ttaactgtgg acaggttgtt 360

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aatgaagaag gagctagagc tgctttgagc a 451

<210> 15951
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-041-Q1-E1-G5

<400> 15951

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ccacaattga gccaataatt cccattattt tccagagaac taaagctaca tgctttgcat 180

atggccaaac aggtagtggt aagacattta caatgaaacc attacctata cgagcagttg 240

aagatcttat gaggttgttg cgtcaaccag tatacagcaa tcagaggttt aaattgtggc 300

tcagctattt tgagatatat ggtggaaagc tgttcgatct tctcagtgag agaaagaaac 360

tttgcatgcg aagaagatgg tagacagcaa gtttgcattg ttggcctgca aga 413

<210> 15952
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-041-Q1-E1-G6

<400> 15952

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gcgtttgtga ctcttttggt agcagtagct ttgcagccac taccgtcagt gttgtctttg 120

gacgttcacc ttcttcggca gctagccgca aagcacaatg tgacatcgat acttgtgttt 180

ggagattcta gtgtcgatcc agggaacaat aatttcatta aaaccgaaat gaaagggaat 240

tttccacctt atggtgaaaa tttcatcaac cataaaccca ccggtagatt atgcgatgga 300

ttactcgctc ccgattatat tgcggaggcc atgggttacc ctcccatacc ggcttttctt 360

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ggctatgacg atttcacagc taa 443

<210> 15953
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-G7

<400> 15953

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acactttacc aagacagatc tctcatggcg gtgctctgat gcttcagcct ttgatttttt 180

ccttttttga ccttttttaat ctctaattat aataatcagt acaaaatcac tgttgtttac 240

cattaattta aggaattaat cctaatctga ttttaaggaa ttaatctcta tttgccaaag 300

aagaggcgca aaggctccgt ctttttttctt cttcttgttt ctgtgttacc gatctggctc 360

tgtcttcttc ttcttcttct tcttcttctt cttcttcttc ttcttcttcg tttacgtctc 420

tgtgaaatgc tcaagctgat tang 444

<210> 15954
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-H11

<400> 15954

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caagctacgc cgcatcttac tcgccggcgg cttgaatcat ggctgatagg agaaacaggt 180

gtaaccagat cctccttta gcataccaga gttttggctt agtgtttgga gatttgagta 240

tttctcctct ctatgtgtat aaatgtacat tctacggagg attgagacat caccaaacag 300

aagatacgat atttggcgcg ttttctttga tatttggacc atcactctcc tttcactcat 360

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ggaagccttg cnct 434

<210> 15955
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-H12

<400> 15955

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agtttcttcc cggttttgaa ggccctcttc ctttcgaact tgaaaccggg tttgttagtt 180

ctctcttttg caacaatgtg ttttgagttt ggagtttgta attagtcatt cttttgacta 240

aaggtacatt ggtattggtg aggaagagga agtgcaattg ttctattatt tcatcaaatc 300

tgagagaaat ccaaaagaag accctcttct tctctggtta agtggaggac ctggatgttc 360

ttctatcact ggncttcntt tccagaatgg gacctttggc tttgaagtcc gaaggtttac 420

aaatgggaag tgttccctcc tt 442

<210> 15956
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-F11

<400> 15956

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gtccgccaaa attcacttcc tcagcctcca cgtcgtctct aaactcagca aaaaccaatg 120

tcgacggtga gaaaaatcac tcttaagagt tcgggatggc gaaaacttcn aaattgacga 180

agcggtggcg ctagagtcac aaaccatcaa acatatgatt gaagatgact gtatcgataa 240

tgttatccct ctccctaatg tcacaagcaa gatcctttcg aaggtgattg agtactgtaa 300

gagacatgtc gaagctgctg agaaatccga aaccacggcc gatgctgctg ctgctacnac 360

tacgaccacc gtcgcgtcng gtncnagtga tgaaagatnt cangacttng ggaatctgga 420

gtttaacann agttgattaa gggcaatctc ttcgattgta ncctggntgc tagctagntn 480

aata 484

<210> 15957
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-E5

<400> 15957

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gagaagaaga gaaagagatt tgaaatcatg gcgaatgtag tgggacagct aaaacgagga 120

atctcgagac aattctcaac tggatcgctt cgtcgtacgc ttagtcgtca attcacgcgt 180

caagcttcac atgatcctcg ccggaacaat atgcgattta gttttggtcg acaatcgtct 240

ttagatccga ttcgtcggag tcctgatggt tctaacggtc cgcagcttgc tgtaccggat 300

aatctcgacg ctactatgca gcttctattt gtggcttgta gaggtgatgt tgaaggtgtt 360

caaggatctg cttgatgaan gnattgatgt taatagtaac cattcttgat gggcctacgg 420

ntccttcaat aancgcctgc ttgtgaaang 450

<210> 15958
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-E6

<400> 15958

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tgccaccgtt cgagacccaa aagatcgaaa gaaaacagat caccttctag cacttgacgg 180

cgcaaaagaa agactcaaat tattcaaagc agatcttcta gatgaaggtt cttttgagct 240

cgcaattgat ggatgcgaga ctgtcttcca cactgcttca ccggttgcaa tcactgtcaa 300

gactgatcct caggttgagc tgatcaatcc agccgtcaat gggtactatt aacgtcctaa 360

gaacttgcac taaagtgtct tctgtcaaga agggtcatct taacatcgtc caagggccgc 420

anttcttgcg cctg 434

<210> 15959
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-040-Q1-E1-E7

<400> 15959

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cggacagacc gccgaaactg ctcgacagtt cttacaggcg acaagctgga aacttgagga 180

agctattcag ctcttttaca ttggaaatga aggtggtatg cttcagtctg gtacacacac 240

tcagccagcg tccaacgatg atgcggctgc acagtcttgg ggggcggcta caggcacagg 300

taatgaaatg atactgccca acgatgtcga tgaagtccgt gctcctttac ctgttgtgag 360

ggagactcct tatggtgaat caatgtatta aggggctatg aaggtgggta actcccaacc 420

tgaaacaaat 430

<210> 15960
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 15960

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tcttcaggaa aggaacgaga ggttgttcta caagcttttg attgataacg ttgaggagtt 180

gcttccagtt gtgtacacac caacagttgg tgaggcttgc cagaagtatg ggagcatttt 240

caggaagcca cagggtctct acatcagttt gaacgagaag ggcaagatct tgaagttttg 300

aanaactggg cccaaanaag gatccaaagt tattggttgg tactnatggg gaanccggat 360

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ccttaaacgn ctttgggaag gaacccttca atca 454

<210> 15961
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-F1

<400> 15961

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cggtattgga gcagacaaat cttttggcag agatgttgtt gattctcact acaaggcctg 180

cttatacgct gggatcaaca ttagtggcat caatggagaa gtcatgccgg gtcagtggga 240

gttccaggtc ggtccagctg ttggtatctc ggctgctgat gaaatttggg tcgctcgtta 300

cattttggag angatnacag agattgctgg tgtagtggta tcttttgacc ccgaaaccga 360

ttccccngtg actgggaacg gtgctggtgc ctcacctgca aactacagtt acccaagtcc 420

atgaagggaa agaaggcggt ttacnanatt natc 454

<210> 15962
<211> 73
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-F11

<400> 15962

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tgtgnaacat aac 73

<210> 15963
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-040-Q1-E1-F4

<400> 15963

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ctctctcttc caagatcgga gccgacaagt ccgatgatga tttggttatc aaagaagttg 180

gagatggcaa tctcaatttc gttttcatcg ttgttggatc ctctggttct cttgtcatca 240

aacaggctct tccatatatt cgctgtatcg gtgaatcatg gccaatgacg aaagaaagag 300

cttattttga agcaacaact ttgagaaagc atggaaattt atcacctgat catgttcctg 360

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atatcattcc ccgcaaaagg actcattgct g 451

<210> 15964
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-F6

<400> 15964

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atgtctctat ttaagacagt tggaccagct ggtgctggca tcttattttc ttggagtgag 120

aggcgactaa acgctgcatt tctaccagga tcgcatatgg tattcttcgt cttgaatgtg 180

atagtagtgg tcggagtanc tctgacattc aagccatttc caacgaccag tccaagatga 240

aattcatttg aattgggaaa gataaggaat gtntggacaa agttgattct tttcatttca 300

gataccaaac gaaaccggta ataaaaattc actaacctta ggatttcaag ctcccttcca 360

attaacttgt ccctttggt ttgcctttgt ccggaataat tatccnccca aaaccngcct 420

tttcatnana nnancnaaan aaaangggcg gggcncgcnc nnanaangat 470

<210> 15965
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-F7

<400> 15965

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ctcatctcct tcacttgttg actgtttata ccacaggaca atggctgaca aagatgaagc 180

agcgacgcgt ggaaatgatt gggaagttgt ttctcttact gcttcagctt acgctgctgc 240

tcctggtcct aaaccagtag tggactcgaa agatgatgat cacaaggaag ttactccttg 300

ttacgaagct gagacatctc atcccttana catgtctcgc cactttggtt ttcccaacca 360

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<210> 15966
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-F9

<400> 15966

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ctatatttac gatccacgat ctctcttgct gtttctgtct tcatcgtgac gaaaatggnt 180

gctcgtatcg ggatcttctc cgtcttcgta gctgtattgt tatctatttc tgcattttcc 240

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gtgaaggcct tcttgactct caaggttgaa aatattggga aagatcctgc tgcagaaatg 360

cttcttgctt tcccacctac ccagatnaag aatttggcta tggtacaagc cctggcnact 420

actgggcaag aagaagaaga agacttantt gccattagat gttaaacnaa ctgaacaacc 480

tgaggcacca antganactg gatac 505

<210> 15967
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 15967

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atgattcagc gattcatgca atctatggca aagacgcgtg gcctctgtca tccagattgc 180

gtaaaagcaa gtagtgagca agaagattac gatgcgtctc agctcagtat ttggtggata 240

atgctgggaa ggaagacgac cagggagaaa tggatgaacc aagctctcag ttcactatcg 300

aaaacttgca tcagtatatg gtggaaaatg tctggaataa gangtaagat gtgcagggag 360

aaggagcaac cactcactgt caaaagactg ccttgaatgt gccttcaaga aaaggctacc 420

ganaagagaa cattgggcac atgttgg 447

<210> 15968
<211> 107
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-G10

<400> 15968

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ccggcggttt tgactactgt tctcactcct cnggtgtgat ccttcgt 107

<210> 15969
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-G11

<400> 15969

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aggctcaaag aattgggaca ctatcttana cccattagac caatcactta gggaactcat 120

cttacgttgt ggcgactttt gtcaagccac ctacgatgcc ttcgtcaacg accaanactc 180

caagtactgt ggagccagcc gctacggcaa atcttctttc ttcgacaagg tcatgctcga 240

aaacgcttcc gactacgagg ttgtaaactt cctctacgcc acagctcgtg tttctctccc 300

cgaaggtttg cttctccaat cacantcaan agattcttgg gaccgtgagt ctaactggtt 360

tggctacatt gctgtcacgt ctgatgaacg gtctaaggct ttaggacgcc gtgagatcta 420

tanagctttg agaggaacga ncangnacta tgagtgggtc aatgtttttg ggtgctangg 480

ccaanttnan ctgaacccnt gg 502

<210> 15970
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-G12

<400> 15970

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ttataagtat caaagacaaa ttcagtctcc atggaaatag agcaaagaag gatcatgaag 120

agagaaggag aagaagaaga agacaacaat caactttcac tgcaagaaga agaaccagat 180

acagaggaag agatgtctgg gaggacaatc gaaccgtgga cgaagcagat aacggtgaga 240

ggagtgttcg tgagcatagt gatcggagtt gtgttcagtg tgattgctca agaagctaaa 300

tctcacgaca ggaattgttc caaatctcaa cagctctgca gctttacttg cttttgtctt 360

tgtccagact tggactaaga ttctcaagaa atcaggattt gttgcgaaac cattcacaaa 420

gacaagaaga cacaatgatt cagacatctg gctgttgg 458

<210> 15971
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-040-Q1-E1-G3

<400> 15971

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agatatggga agaggtaggg ttcagctgaa gaggatagag aacaagatca ataggcaagt 120

tactttctca aagagaaggt ctggtttgct caagaaagct catgagatct ctgttctctg 180

cgatgctgag gttgctctca tcgtcttctc ttccaaaggc aaactcttcg aatattccac 240

cgactcttgc atggagagga tacttgaacg ctatgatcgc tatttatatt cagacaaaca 300

acttgttggc cgagacgttt cacaaagtga aaattgggtt ctagaacatg ctaagctcaa 360

ggcaagagtt gaggtacttg agaagaacaa aaggaatttt atgggggaag atctgattcg 420

ttgaccttga aggagctcca aagcctggg 449

<210> 15972
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-E2

<400> 15972

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aagtctgacc ttcttcatga cccttccttc gaattcacca atgaatctcg tctctgggtt 180

gatcggatgc tggactacaa tgtacgtgga gggaaactca atcggggtct ctctgttgtt 240

gacagtttca aacttttgaa gcaaggcaat gatttgactg agcaagaggt tttcctctct 300

tgtgctctcg gttggtgcat tgaatggctc caagcttatt tccttgtgct tgatgatatt 360

atggataact ctgtcactcg ccgtggtcaa ncttgctggg tcaagagttc ctcaagttgg 420

taanggttgc catcaaatga tgggaattct acntcg 456

<210> 15973
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-C2

<400> 15973

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agaatggtga agagggtcaa gaattgagag actccaaagt gaagtctaat cggcacacaa 120

acttgaagcc tttccgagcg gtcttgcaat ctccgtcgtg ttaattaaag gaagggtttt 180

gcgttttctt tcctgattcg gtcgcttcta tggacatgga gagatactga acctaccagt 240

ttaaattgtg ggaacaacat ggttgtcaaa acttatccat taggaatggt tgggactaac 300

aatgggcatt gctgaaaacg aaggagattc tggtcctgaa ccttaagttg gattanagtt 360

tgatactgct gaaggaagca agggactact acaactcctt aagcctacgc cggacgggnt 420

ttaaaggtta ggacnggtca attggtataa atcta 455

<210> 15974
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-040-Q1-E1-C4

<400> 15974

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ttgtcctaga gaaagaggtg ataggaaaaa tgggtctcca agagcttgac ccgttagccc 120

aattgagctt accgccgggt tttcggtttt atccgactga cgaagagctg atggttgaat 180

atctctgtag aaaagccgcc ggtcacgact tctctctcca gctcatagct gaaatcgatc 240

tctacaagtt tgatccatgg gttttaccaa gtaaggcgtt attcggtgaa aaagaatggt 300

atttttttcag cccgagggat aggaagtatc caaacgggtc aagacctaat cgggttgccg 360

ggtccgggtt attggaaaac caccgggtac ggataaagtt atctcgacgg aggggaaaga 420

agagttggga tcaaagaaag ccttgggtgt tttaca 456

<210> 15975
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-C5

<400> 15975

cttcttcttt tgagtattac atccaacgaa acgtctcttt ctttctctct gataggcaac 60

aatggcgcag aggaagatga ttgtgtttcc caccaagaat gaattgtccg aagcaatggc 120

tgagtacact gccaatctct ccgccaagtt catcaaagag aaaggccttt tcaccgttgt 180

tctctccggc ggtgacctaa tcgattggct ctgcaagttg gtgcaacctc cttatattga 240

ttcaatcgaa tggccaaaat ggcacgtctt ttgggtcgat gagagggttt gtgcatggga 300

agatccagac agtaactaca aactcgccat ggagggtttt ctctcctaag ggtccgattc 360

cgggataaga acatctacgc aatcgacaaa cacttggcgg ctgattggta acnccnaaca 420

atggggcnag ctctacaagg agt 443

<210> 15976
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-040-Q1-E1-C6

<400> 15976

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ttcaaccgcc tccgccgctc ccagctcagc cgcattccgc cgccggaggt gtaataagag 120

gcgatgtaca ggttaggtgc gcaggctgtc gcgtgattct gagggtgaaa accggcgttg 180

tggagttctc gtgtccgact tgtcaacttc cccaaatgtt gccgccggag cttctttcta 240

gggcacggcc gcagtttccg cagtctccac aacaaccacc acagccaatt cagacgcttc 300

cgccaccgat tcaacagcaa gcttaagcct cttaatctac ctaggcctcc ggttccggca 360

catggaatcg atccgacgaa gatgcaattg ccttgcgcta actgttaagg ctatcctcaa 420

tgtgcc 426

<210> 15977
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-C8

<400> 15977

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cactcgtttg attccaccac tatatataat tgagcggaga agcttgacat gaagagcaga 120

gtcattctta accatagaga cagaagagat aagaatcata acaacaacaa caccaatcat 180

tacacacagg ttgatactat ggagagaaag cctcttgagg ttgagccatc tactacgacg 240

actaacaccg atgtggtcga ttctttcgag gaagagcaga gaaaaatcgt ttatagagga 300

tggaaagtca tgccttttat cattggtaat gagacatttg agaagcttgg gatcataggg 360

gacattatca aaccttcttg tgtacctaac ttctgtattc aacnttaaga gctacacagc 420

tgcaactatc atcaatgcct tagtggtag 449

<210> 15978
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-D1

<400> 15978

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caatctaacc atctcttctc ttcacagtct ggttcactca tggaagtgtt taaagcagct 120

ttttcagaag cgtctaattc ttgtgatagg attgcgatta aagccgatgg aaagagttac 180

tcttatggcc agctaacatc gtctgctttg aggatatcta aattgttctt aaaagatgat 240

acgacaaatg gaggtcaaga aactaagaag tatgaagggt ttggtagtct aaaaggagct 300

agaatcggga ttgtggcaaa accttcagct gaagttgttg cangagtcct gggggacatg 360

gttttagcgg tggtgtancc ggntccaact tgnnactcan gctatnctga aggctgaant 420

ccttanaggt catgaaaggn ttccggg 447

<210> 15979
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-D10

<400> 15979

gggnntgnac gttttcggcc ccnggtccgg aaaancgggt ngacgcncgc gtccgcccac 60

angtccgctt tagtgannaa acaacaaacn nnagaangat ntcaactttt ttcaagccaa 120

atcttcaaat ctgggaggaa cganacagta agagattgaa atcaaacatg gaagaagatg 180

aatcaacann accgangaag aagtcagatt ctcagctgaa tcttcnaccg tcgatgaatc 240

gtccgacggt gtcactcgag tcacgaatca accgtttaat cgattcgaat cattatcact 300

ctccttcgaa acctatttac tcagataggt ttattccaag tagatctggt tccaatttcg 360

cgcttttcga tttggcatct tcttcgccga ataagaaaga tgggaaagaa gatggggctg 420

gttcttatgc gagtctttga aaacggggct ttttgggccg gtgacgccgg agaaaagtga 480

tgttgttaaa ggggttttct ccgtccnggg aaa 513

<210> 15980
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-D2

<400> 15980

aagaattggc tgatgaaatt gagagtgagt gcgctgaaaa gtcgtgggaa ggaatcttga 60

ggaggatatg gcctaaggct aaatatgttg aggtgattgt gactggttcg atggctcaat 120

acattccgac actagagttt tatagcggag gtttaccgtt ggtttcaacg atgtatgctt 180

cctctgagtg ttactttggt atcaacctta atccgttgtg tgatcctgcc gatgtttcct 240

anacgcttcn tcctaacatg gcttacttcg agttcttgcc cgtcnacgac aaatcccacg 300

aaagagattc actttgcaaa ctcactcnaa caccgatgga tgatgatnga tgctctcaan 360

gaagattcat cgttaatccn tgttaanggt cgaantcggt caatacnncg aaaatcnnca 420

ag 422

<210> 15981
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-D3

<400> 15981

cttctcactc tgttttcgtt tagagagatt ttgcagagat gtcgagacga gcaatggtga 60

taaagatgcc aatacttatg atactgattt catcaatggt gatgacgatg gtcgagtctt 120

cgagatcagt taataatggt catgacgatt ctgagatctt acgaagacac ttgctcacta 180

atggcctcgg agtcactcct cccatggggt ggaatagctg gaaccatttt agctgcaaca 240

tagatgaaaa aatgatcaaa gaaactgctg atgctttggt taccactggc ctctctaagc 300

ttggctacaa ctatgttaac atcgatgatt tgctggggct gaaatttccc cgtgacaagc 360

aaaggggaaa gtctggtgnc aaangaaatc aaacttttcc cttctgggaa nttaaagcgg 420

gttgccggat tangttcaaa agtaaaaggc cttaaacctt ggga 464

<210> 15982
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-D4

<400> 15982

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tgcactggct gagctcactt tcaactcgaa gccgataata acgaacctta caataattgc 120

tggagagaat gttcatgctg ctaaagccgt cgtaaccgcc atttgcaaca acatcctcga 180

ggtaccaagt gatcagaagc tgccaacact gtacctgtta gacagcattg tgaagaacat 240

cggaagggat tacattaagt actttggtgc caggctgcct gaggtttttg ttaaggctta 300

caggcaagtt gaccctccta tgcattctaa catgcggcat ctttttggaa cctggaaagg 360

agtccttcat ccgcaaacac ttcagcttan tgagaaagaa cttggcttta atgctaaaag 420

tgatggtcag cagctgttgt atccacag 448

<210> 15983
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-D7

<400> 15983

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tcatcagctt caagattttc tttaactttc tcacactttc tcacactcta ctgtcttctc 120

acacaaacac atgtagctca aggatctcat caatggcaat caccaatcaa aaccgtcgtc 180

gttttagtgt tggagaatcg atctttcgat catctcttag gatggatgaa gaactcagta 240

aacccgacaa taaacggtgt aacgggtcaa gaatgtaacc cggttccgaa ttctacacaa 300

actatatgtt tcactaagtg atgcctgagt ttgtgggatt ccgggattcc gggtcaatcc 360

gttttgaaag cctggttgga agcaaacaaa gttantccgg ggtcctgggg gcccggggtc 420

aagattcccg gttccaatgg aaggggggtt tncgtttgaa ncnaagcngc ctttccnaag 480

gccngggg 488

<210> 15984
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-D8

<400> 15984

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agtctcatgt ctaccaaact ggcctgagag attcttcttc gtcttcacaa gcttcaccgt 120

cacggcgctt caacacattc aattcacgct taaccatttc gctgctgatg tctacgttgg 180

tccacccacc ggtagcgact ggttcgagaa gcaagcggcg ggaacaatcg atatctcttg 240

tagatcatac atggattggt tctttggtgg attacagttt cagcttgagc atcatttgtt 300

ccctcgctta cctcgttgcc atctccggaa aagtttctcc gggggttcaa gagcnttgca 360

agaagcataa tcttccgtat aangagtatg tcgtgggttg aaggcaaatg tgttgaacaa 420

ttaacacttt tgaaagacag cagctttat 449

<210> 15985
<211> 90
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-D9

<400> 15985

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agtgggcagt cntcctgtgt cagttnatgc 90

<210> 15986
<211> 508

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-E11

<400> 15986

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cacttcctca caacttttct cataatcata gccatgctca aattggttca tacaacaaca 180

acaacaacta caacaacaac aacanacacc gagttcgtaa aatcatcatg cactttcana 240

acgtacccaa gactctgttt ctcttcactc tcaactcatg ctagtcncat ccaaacaagc 300

cccaagctca tggctcatgc ggntctcaac atcacattag cctcggctaa agtaacttca 360

gcaatgatgg tgcgtctctc gaatagtcgg ctcaagccta aagaagtctc ggncatgaga 420

gactgcgtcg aggagttagg tgacacnttg gangagttaa gaaatcgatt gggtgagatg 480

tgtcagccaa gttgntcgna ctaagang 508

<210> 15987
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-C1

<400> 15987

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gcatatattg tgtcattgct tcacgatacc cttggcattc ctcttgatga tgaaagaatc 120

ggatatgcga atcaagcagg agacataccg ctcgattggg ctttaggtgc attcattcaa 180

cagactgcaa cagagacctc tcaacatgca gcctctggta atctccattg gttccatgct 240

cttttcagta atcacccgaa gacgcttcac tatctcatcg ggataccgat ccttatgaca 300

gttttggtat atttggtaac taagtggaga aaaccgcagc tgaaaacnat tttacgaacc 360

ttgagaaagg gtcggtacat attgactccg aattagatga ntcttggttt anaaaccggn 420

ttttccgcaa aagcttcccn gcctccccta nt 452

<210> 15988
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-039-Q1-E1-G7

<400> 15988

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acctctgttt cgagaatatg aagatggaag gagttttgat ctctgagtgg aaagatatcc 120

ctgtggagct tctcatgaag attttaaacc ttgttgatga tcggactgtg atcattgctt 180

cttgtatttg tagtggctgg agagatgctg tttcccttgg cctcactcgc ctctccctct 240

cttggtgcaa gaagaatatg aacagtttgg ttctatctct tgctcccaaa ttcgtaaagc 300

ttcagacttt agtactgcga caggacaaac cgcagcttga ggacaacgcg gtggaagcca 360

tagcaaatca ctgtcatgag ctacaagatt tggacttaag caaaagctcg aaaatcactg 420

accattccct atattcactt g 441

<210> 15989
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-G9

<400> 15989

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atcaagatca atctctacca atacttagaa aagttctttc cttttngnca aattctttca 120

atttctctct tcaattccct acgaattact cacttcggat ccaatcagct ctttatagcc 180

tctgcgtttg ggagtcaatc tttctctctt cgacaattaa gggtttcgta taaagattgc 240

tgttttacga caggattctg aataaggaga agaagggttg gtttcatttg gatggaaagt 300

atatggtagg tctacacatt aatatggaag cgcagattca tatacttgag cangaagctt 360

aatctgctgt attaagagct ttcaagcaca ggctgatgaa ttttcntggg aataaagcaa 420

ccgtnaagac aaac 434

<210> 15990

<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-039-Q1-E1-H1

<400> 15990

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gaatcataaa gaaagggtcc aaagaaatac aatcactttc ttaactctac tgttacaaca 120

tttaaaagag catatctttc ttcttcttcg tcattatctt cattttcttc ttcttcttct 180

ttcttgtaaa tttcagacct cgttggagag ttttggacag caagcctcga cggcatcagc 240

caccgttaga tagatattgt cttgtcctaa catgtcggca aagtgcgaca agtgtagctt 300

gcctatcacc aacggtccag gattcgccag aatcaactgt ttatcatcac aaaacacaga 360

gtcaggtaaa tcttcttcaa ctaattcact ttgagtgctt agattataat ccttaaagaa 420

ttcagtatgt gtgtatatat gtatgtacct gaatgtcct 459

<210> 15991
<211> 262
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-H10

<400> 15991

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ttttacaaat cataatcttc tctttgattc catcttgtga accaggggna tangaaaata 120

tgacaattgc tttaacgatc ggaggaaacg ggttttcggg tctaccagga tcgtcgtttt 180

cttcatcatc ttcgtcgttt cgattanana acngcagatg aaagantcnn aagatgctca 240

tcangatcaa gcagtcgtnt gt 262

<210> 15992
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-H3

<400> 15992

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caaagaccca caaaattcnt ttttttttcc ttttcaaatc ccattaataa aaaccttacc 120

aacccatgaa gtaaagtaaa ctcctttctt ataaactctc ttttgttctt ttttttcaa 180

cttcatcagt ctcttaactc accatcacaa gaacaagaaa gatgaagaga ggatacggag 240

aaacatggga tccgccacca aaaccactac cagcttctcg ttccggagaa ggtccttcaa 300

tggcggataa gaagaaggct gatgatgaca acaacaacag caacatggat gatgagcttc 360

ttgctgttct tggctacaag gttcgatctt ctgagatggc tgaagtagca cagaagcttg 420

aacaacttga gatggtcttg tctaatgatg atgttggttc tactgtctta aacgactctg 480

ttcattataa cccatctgat ctctccaact ggg 513

<210> 15993
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-039-Q1-E1-H7

<400> 15993

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ccgggaatga gtcacaggtg acgagagggt tatcggaagg agggcgaaac cattctaccc 120

gaggaatcta ctacggctgc ggtggtggct tgtttttgag ggatccgccg ggttaatgaa 180

tggtttcacg acgttgacaa acaccaagaa acacgcctat ggtcaagcct tcaatgacga 240

gccattccct ttcaagaatt cggtcaacgg taacatgact tcgttttcat ttaccttctt 300

ctttgctatc gtccctgagc atatagacaa aggttctcac ggtatagcct ttgtgatctc 360

tcccacgaga ggcattcctg gtgcatccgc tgatcagtac cttggtatct tcaacgatac 420

aaatgatgga 430

<210> 15994
<211> 333
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-H9

<400> 15994

cggtaccggn cttaaattcn cgggccgacn cacgcgtncn ntttactctc tctctctctc 60

acattttctc attctctcnt acaacaagtt tccgccgcta agccactcac tacgcancca 120

tggcaaatcc tgaccatgtt tcanatgtgg gagataattt gtcgattgat ccaataacca 180

aggctttagc tcctgattct gaaacaaagt tgcaggggggc ttatggcgga aacggtaatg 240

anttcttgct caatgatgan ttantggagg ctaccaaaat tggtaaacct agtcttttgt 300

ctaaagatgg angtgtgact aaananaagg gat 333

<210> 15995
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-A2

<400> 15995

tttcttcgtc tcccaccatt tctgcagaag aagacaaata aaaaagctct catttatctt 60

cgtggagatc taaaagaagg aggaagacat ttcttccctc tggatctcca aaagtaagaa 120

catttacaag aaacgagagg tttgggtggg gaaggaaaga aggaggaaga ggcaatgtca 180

gctaggtatt ggtgtcacat gtgttcacaa atggtgaatc cagttattgg tgccgagatc 240

aaatgcccct tttgccaaag cgggtttgtc gaggaaatga gccgtgagat taatggcggc 300

agcagtagca gtctaaggga ggttcaagac cctgagattg attttggtac agaccgtgca 360

ttgtcctcta tggggtcaat ccttgcttgg gaatgatgag taancccccgt agacgtanaa 420

ggtttaggag gacaaa 436

<210> 15996
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-A3

<400> 15996

aaatttacag tatttgaaaa aatacaaaat ggcgaaaatc taccggaagt tgacaggcta 60

cggtggtgaa ggagggcgtg aatgggacga tgatgtatat gagggtgtaa gaaaagtgta 120

tgtaggacaa gatatcaatc gtatcactta cgtcaaattc gagtatgtga aggaagacgg 180

ccaagtcgta acaactgaat atgggaaaat cattcaacaa cccaaagagt ttgtacttca 240

atatccggac gaacatatca tagcggtgga aggaaactat cgcggagtgg ctctatgtgc 300

cacagaggtg atcacaaacc tcgtcttcaa nacctcaaan gggtaaaaag tcaccactgg 360

ttttggtcca aaacttgcct tgggaattac gaaccggtac anagttcgtt tantgaagga 420

ttgganggaa agaanatcct tagggtttca agggacggnc cgg 463

<210> 15997
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-A5

<400> 15997

ttcctgcatc gatggtttcc gagttgttat gggcttggga atctcttaag gtagcaacat 60

gttgtaagtc tctagttatt gtctacaatg gaatttgcct tattcaaatt gggatggtag 120

ctgaatctcc agaagataag aaaacagtca tagtaaagac cgataagttg atgcaaggat 180

cggtttacag aggggttatg aaatccaaag cacagagtta cttggctaat ctttctcttt 240

atcctgggag atcagagctg ccatttctac ctgcaaatac acaggcggtg attttgcagc 300

cgcttggaga taaaggaatc gcagtcattg gtgggaaata cgattagagg attcacgtct 360

tcagaccaag cttgggattt cttcaattgg gggaaaaact anatgcgaca ctggggaaga 420

atatttggtt gatcccngat aagatttcca gatacagttt 460

<210> 15998
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-A6

<400> 15998

ctgtgagaga gaagaatggc gtcgtcatca tcgagaggag agatggagaa gatgggaatc 60

gatcagctaa aagctttgaa ggagcaagca gatctggaag tgaatcttct tcaagatagt 120

ctcaacaaca tccgtacagc taccgttcgt ctcgatgccg ccgccgcagc tctcaacgat 180

ctctctcttc gacctcaagg taagaagatg cttgtaccac tgactgcttc tctatacgtg 240

cctgggacac ttgatgaagc tgataaggtt ttagttgata ttggcactgg gttacttcat 300

tgaganaaca atggatgatg gaaaagatta ttgtcaagng gaagatcaac tttgctcaaa 360

tncaaacttt tgattnaact ttttganggt cncaacgaaa aangnaaagg ngtgggcag 419

<210> 15999
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-A7

<400> 15999

caaacttcaa acacttgaga aaaaagcttt tgatttcaca tcttaatcta acaagtcaaa 60

cacttttcaa accacaaaat tcgtcaaagc tctgaaacaa ataaacattt tttaatttct 120

ccctttttaa tggaaatctc ttctttccca tttccatacc tacaagacga cgagtgttcc 180

catttccttg gtctatttca agacatggac tcttctcctt ctactttcgg attagaaggt 240

tttaatagca acgacaataa tactaatcaa aagaaacgcc caagaaaaga cgacgaaggc 300

ggtggtggtg gcggcggagg aacagaagtt ctangagctg ttaatggnaa taataaggnt 360

gcctttggga gatatactcg ncaacgcttc tggtggtana cgaaggaagc taacaagnaa 420

caagnacagt tgggaatttt gaattaatag 450

<210> 16000
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-A8

<400> 16000

gggttttgag caaaaaggag tgatgagagc taagtggaag aagaagcgta tgaggagatt 60

gaagaggaag agacgaaaga tgagacagcg atctangtag accaaatcta ctccacaagt 120

ctttcgcttt tcccctctgc attttgtgtt tcatttgctt cagtttgttc ccagaatttg 180

tcttagtttc cagatattgc tgttgttgga ttaatggatt ttcagtttga tcttcctttg 240

tctattaatt tacgatttaa tatttgtctc naagcttata ttatctcatc gtagctacta 300

gttgatctta acgcttttgt acaantagtg atccgagagc gatcanttnt gaatatcatc 360

atttggtttg canaaaacnn aaataaaa 388

<210> 16001
<211> 71
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-B11

<400> 16001

gaagacaggg aanaatggaa gtgctaagtg antcacgaga cggtgagaag aatcccgaag 60

ancaaccaca a 71

<210> 16002
<211> 52
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-040-Q1-E1-B4

<400> 16002

naatcaagcc tttactcaaa ccctttggga acncccgatg attggggcca ac 52

<210> 16003
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-040-Q1-E1-B8

<400> 16003

tgagtttctt cttctcttgg aggaaaatcg agaaagacga aacatggctt cttcttctac 60

ttctctgaaa agaagagagc aaccaatttc gcgagatgga gatcaactta tcgttactcc 120

gttaggagcc ggaagtgaag tgggtcgttc ctgtgtttac atgtccttcc gaggcaaaaa 180

tattctgttt gattgtggga ttcatcctgc gtactcgggc atggctgcgt tgccttactt 240

cgatgagatt gatccttctt ccattgatgt cctcttgatt actcactttc atatagatca 300

tgcagcatct ctaccttatt ttctggagaa gacgacattc aatgggcggg ttttcatgac 360

acatgcaaca aagggcatct acaagctgtt gcctacagat taatgttaaa agtgagcaaa 420

agttgtccgg tggaagatat gttgtccatg 450

<210> 16004
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-G6

<400> 16004

aantggtttg cctgngccta ccggtttgga aatnccgggt cgacccanac gtccgaaaac 60

atgttgccat aactcaacga accatcaaag acatcaagag acggtctctt tctctctctg 120

tctctagtct ctactctcga acgggctaag ctcagatcat tacaagattc gcttttgtgc 180

tgaacttggt cccattcatt agttatttgc ttaaagacaa cattttata tgcttccgtt 240

agctaaatcc atcactcccc ccttcaatca tttccctgct ctgctggccc cagaaacagc 300

ttgctaggat tcactacgac gtcgtttcgg gttcgtctcc agctgtggat aatggctatt 360

ctctgaaatt gattctattc actattttgt tactggggat tttctcaagc aaaccaaanc 420

aggatttatt ttttctgggg atttctgaga ttggaagaaa atgttcagct tttcaaagan 480

gcgcatgaga cttggcagag ttaagaaggn aca 513

<210> 16005
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-F11

<400> 16005

caaagcctat ggcgaggttt ccgacttctc cggcgcctaa ccgcctcttg aggctcttct 60

cttccaacaa acggtcgtca tctcctactg ccgcgctttt aaccggagat tttcagctga 120

ttcgtcattt ctccgccgga accgctgctc gtgttgccaa ggatgagaag gaaccatggt 180

ggaaagaatc catggacaag cttcgcaaca tcgggatctc agctcatata gactctggaa 240

agactacgtt gactgaacgt gttctcttct ataccggtcg gatccatgag atccacgaag 300

tcagaggtag agatggcgtc ggcgctaaaa tggattccat ggacttanaa cgagagaaag 360

gtatcaccat ccaatcagcc gctanctant gtacttggaa ggattacaag gttaattaat 420

tgatactcct ggtcatgttg actngg 446

<210> 16006
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-F12

<400> 16006

gcccacgcgt ccgcttgaga atggtgaaga cggtctacta tttgttggcg aatcagtaga 60

ctctgatatt ctgcagaaac tttttgctgt ttcttcagct gctgaaattc ctaaccagtt 120

tgtgctgcag cagtatgata atcagttatc aaagaaattc aatgatgcgg tgaatgaaat 180

aaggaggcaa agatgttctt acctaagaat aaaattgtgc aagaagggag aaccatcagg 240

aatgttgttt ctctcgtata tggtagagga caggacagca agcggcccgt cgtatgtgga 300

gtttctcgtg caagtccatc gccaaatcca gctaaaaatg aactgatcct ctgttttcta 360

ggagtcctta cagaagtttc ctcccatctg catctgtgtc atgttcggaa tttgcggtag 420

aaaagcatan cagaagggga aagggcatcg gtctt 455

<210> 16007
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-F3

<400> 16007

gatagagaat gtcctctggc tccgcggtcc ggacttaacg ggtcgnnccc cgcgtccgct 60

caaaaatctg gtttccagtt cggaagcacc aatgttcctc ctggtcaatt caactttatt 120

tgaaaggtaa aatagttgaa ttgggtcata gaagttgctt ggacttttaa gtaagccaca 180

tatcgaacga aagtggtaac atcacaaaga tgaaatatca atcttctcta tctcttcatg 240

cccactcctt aactcgtgga catgaactat gaagaaacat agtacgattt tcttttcttt 300

ttggaagttt gtctcaataa ctaaatcatt tggggaagag aaacaattat tctgtgttag 360

ccatcatctc gtctttcaac aaaagttccc ttttttcaaa ggaacanann gtnnnnnggg 420

gtngnnaana nggaanaanc gggggggccn nccncaagag ggnttccnan gctacnttcc 480

c 481

<210> 16008
<211> 250
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-F4

<400> 16008

cggnaaatan ttatattcct ctttctgctt gctatacctt tgatacaaca ggtatagcaa 60

tggctgtaaa gtcttcctcg ctgtattcna cnnttattat ggatggagga accatggaca 120

tgtgttgggg ccatagaact tcgcagcatc tggcggtttc aacatttccg tcatggaatt 180

gtcgaccgaa atttccaatg gttanngaga tacactcnca ggaatattcg tttcggtttg 240

tntnntgtca 250

<210> 16009
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-038-Q1-E1-F5

<400> 16009

ggttttgcct tggcctcgat gatggtttct ggaaattgat aagacttact tcttcagctg 60

caaaagactt ctttttaccg aaacaagtca gtgacaatta tataagttat gtcaaatgga 120

agtttttgca cagagttttc agctctgctt tacaagttct tgccactcag gcaatgttta 180

gagcaatagg aattggacaa tctcggtcac tagcttcatc tgctgctttt aactggattt 240

tgaaagatgg acttggaagg ttaagtagat gtatatacac tgctagtctt gcttctgctt 300

ttgacactaa tttgaagaga gttaggttct cgacgtctgt actcttcagt ctaaagcatt 360

ggagttgagt taatgactcc agtattccct cagtactcct tttgctaact tccaacgcta 420

acatcgctaa acaaaataac ctgtccg 447

<210> 16010
<211> 371
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-F8

<400> 16010

actaaaaatc atacctttt ttttactcct cattccccaa tttagggtcg gtctgtgtga 60

ttttggattt catgagattt tgatagtcga ccacccgtcg atctttggcg gcactcgatc 120

tatggttcac tgtaactttt gaattttgag actaatcttc gtagcctggt cgatccattt 180

tcacgaactg aagaatcaga tagattgctt ctgagcctcc cgtcatgtat tctctgatac 240

ccatggaaaa aggntgggcc aattgaagaa atgtnctcca ttaaagcntt ccaattaaac 300

tnctccaaaa aggnaccncc ttttccnaaa ttcctncncn aanccaaagg cnacagatgc 360

naccccttaaa a 371

<210> 16011
<211> 288
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-G2

<400> 16011

gtgatcaaac gcatacatac ataactccgt catcttcgtc tttactccaa aattccagac 60

atttgaagct tttaagcatc tgggtatttg atcttctatc cacagatcat agaaacccaa 120

gaggcaaatg tctatttccc taaaaatttc ccacatttca agtttctcca acgatgggtt 180

caatagtgta aagcaatgca gagtgagtnn aangnttgaa attanatngg nttgnttccg 240

ttaaancccn ggtgntnaat ccaaaanggt tcaattnaan tncggact 288

<210> 16012
<211> 348
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-G3

<400> 16012

gnntgngaan ggtcctctgg cnncacggtc cggaccnacc cgggtcganc cncgcgtccg 60

cggaaaacgt gggtcgaggc atcggacgtt gatgaatgtg tttgataaat caccattggt 120

ggataaagat gtgtttgtgg ctccgagtgc ttctgttatt ggtgatgttc agatcggaaa 180

aggctcgtcg atttggtatg gctgtgttct tcgaggtgat gtgaataaca tcagtgttgg 240

atctgggacg aaatatccaa gataatacgc cttgtacatg ttgcaaagac caacataagt 300

tggcanggtn caaccnacnc tnatggggaa caangtaana ttaggnca 348

<210> 16013
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-G5

<400> 16013

attcacaaca aaaccaaaaa aaaaaaaaga gaagaagaat tagcttacgt gttcatcaca 60

tctgcattac gcgcaaacga aacagattca aattctccgg cgaagttttc ttattcatca 120

atcaatctct ggattcatca atcatgccag agatcgagat tgccgccggc agcggcgaca 180

acaacgacgc ctttattcgg taaatatgag ctcggaaagc ttctcggatg cggcgcattc 240

gccaaagtct tccacgcacg tgatcgtcgt accggccaaa gcgtcgccgt gaaaatcctc 300

aacaagaaaa aactcctcac aaatccagct ctagccaaca acatcaaacg cgagatctca 360

atcatggaga agattatctc atccaaacat cgtcaaagct ccacgaagtt atnggngaac 420

aaatccaagn tnttcctcng aatgggattt gttaanggag gaaa 464

<210> 16014
<211> 469
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-G6

<400> 16014

tctctctctc tctctatcat catcatcgca gaggagacga tcttacgcga cgaatccttg 60

agagattgag agggacaagc gagttttgac ccaaggattg ttgacggtct atattgaaca 120

agtaaacaag gatgcgtaag tggatctgtt gtacatgtca aatagaagac tcaaatgaag 180

agcaacaact gaaaagttca cagcagcaat ctgatgcaaa tcataagaat tcaaaaccag 240

cacctgttgc aaaacatgag gttaagaagg aagctcttcc catcgaggtc cctcccttgt 300

ctttggatga ggtcaaggaa aagactgaaa attttggatt caaggcactg antggtgaan 360

ggtcttatgg gagagtatat tatgcgacac taaatgatgg tntggcggtt gctctgaaaa 420

aacttattcc caccngaagc tgaaacagat nccgaantct tgngtntgg 469

<210> 16015
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-G7

<400> 16015

tactatatat atatatatat atatcacccc gcacatatta ttgaatttct ttttattttc 60

acgtttcgaa ataaaacgaa atacctaatg ctaagtaaat aaacatatat acaaccattt 120

aattttggat tgcattcaat ttttttttata tatttgacga cctcatatcg aagctatttt 180

tttggccaaa acctatgatt tttatttgtt ttttaggttt tgtaaaatta aaagttttaa 240

atcattatat atttccacca atatagaaaa aaaaaaaaaa aaaaangagg aancttctgg 300

ctgcnacaga ggttttggtn cttggcggca atggaaaccn agagggttaa aangaggcaa 360

ttttcccttt cccaaaatcg aataantaga aaantngaat ccccgaantg atctcctccg 420

cgtnanttcg cccccgtaaa a 441

<210> 16016
<211> 352
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-H1

<400> 16016

aattgaaaga aaaaaaaaaa cgagaagcgt tttctttctc tccaaaatcc attactcgcg 60

aactttcctc tgctaaggta ttctttaacc ttgtcaacac actagcctta agtgttcact 120

agaaagaggt ggtgattatg agttcaagcg aagcgtttcc cgtgatgcag gagatcatgc 180

ttgagtttcg tgctgggaag atgtctttgc agggaacaaa gaatttgncc ctgatgcacg 240

aaagggactt gtccgcatag ctaagagggt gacgaaggaa cngatnnatt tcangtggct 300

tgatcnaaac cagaatacan taaaagatat tcaaatngtt ttccnanata aa 352

<210> 16017
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-038-Q1-E1-H10

<400> 16017

atggcgaaag gagacgataa tgtgcagagg aagaagaata aagtgacgag gaagaagatg 60

agtaggaaga acgataccgc caccgtatct gctcgtatcg ccgccattat cgccgccaag 120

aaacgtcgca agtctggcaa acgcagcatg tgtcagggaa tgtgttttac tcttcctaca 180

cttgaagatc cattcaatga aaggcaaggt aaagctgata ttactaaaaa gaagaagaaa 240

aagaaaaagg tgaagagtag agaagacaag aaaccatctc ctatgtctat tgaaggtgtt 300

gagaagatgg atggtccacc aaagtttctg atgttaaact tgaatgagat tgagagctca 360

tttcgtaaag atattacata cagtgaacaa catgataagt ctttgtttac tagtagttgg 420

gggattgagt tctggaaatg ttactcatct g 451

<210> 16018
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-H12

<400> 16018

aatattccag agttcattga gggtgtgaag aacaggaaga ggaagatgtc tggttttgga 60

caccgtgtgt acaaaaacta tgaccctcga gctaaagtca tcaagaacct ggctgatgaa 120

gtattttcca ttgttggaaa ggatcctcta attgaggttg ctgttgcact tgagaaggca 180

gctctctctg acgattactt tgttaagaga aagctgtatc caaatgttga cttctactct 240

ggattaatat acagggcaat gggatttcca ccggagttct tcacggtctt attcgcgatt 300

cctcgcatgg ctggatactt gtcacattgg aaagagtcac tggatgatcc tgacaccaag 360

atcatgagac acaacaggtg tacacaggcg tgtggctgan gcattacaca ccaantgaga 420

gagagatant gacggatg 438

<210> 16019
<211> 537
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-H2

<400> 16019

gnntnnngaa agttctcttc ggngtctacc ggtccanaga tcggtcgacc cncgcgtccg 60

cggacgcgtg ggcggacgcg tgggttagca tacccagttc agtctccagg tgtcttaggg 120

aaccaaccag atatagtaat ggacagcctt gctgttcatg gtctcggact tgtcaatccg 180

aagaaagttt tcaacttcta caacgaactg cattcatact tggcttcatg tggtatagat 240

ggagtcaaag ttgacgtcca gaacatcatt gaaaccctag gtgctggtct tggcgggaga 300

gtctctctca ctcgtagcta ccagcaagct ttagaagctt caattgcccg gaacttcaca 360

gataatggtt gcatatcttg catgtgtcac aacacagacg gactttacag cgcaaaacaa 420

accgctattg ttagagcttc ccgatgantt ctacccaaga gatctgcttc tcaaaacaat 480

ccacattgca tcggttgcat acaacaagcc ttttcccttg gngaagttaa gcaaacc 537

<210> 16020
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-038-Q1-E1-F10

<400> 16020

gcacnatgtg tgtgatggcg tgccctagaa actccataac atacaacgcc acgcgctgcg 60

cgtgcggtat cggtcagcta ctaaaccgga gctccgggag ctgcgagatc ttcggttggc 120

cgtcaacaat ctccacagac aaagatgtaa acnacagcgt aatatcattc gccgagactt 180

tattcgcttt cgataggatc cgtaagttca cgcaatctca agctattttc ttagaagcta 240

cgctcgtgat gcttctctcc tggttagtct tttgtttctt cctgagattc accagaactc 300

ggcgatggtc gtaatgtctg gtttaatctc cgttggtgga ttactcgact tgacgtcttc 360

ttcnccacna gacattggcn ccgatgatga gacannttgt caagaggngt ncaacaagaa 420

cntggtggan agatntnccg ttccgagntg gaatngtttt g 461

<210> 16021
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-C4

<400> 16021

gctctttccc catcaaaaaa aacaaaaaca aaacacaact ctgtttctct catcttaaaa 60

ttcatgtaaa aaaaatctac aaatcaaaga gagaaacaga gtaaagagaa agagaagaag 120

atggcgcgga aatactttca gagagaagtt ttgccggtaa cggctttggt aataatggaa 180

tgtgcaaacg ttggtttaaa cactctgttt aaaagcaagc aactttgaaa gggatgagct 240

ttcaagtcct caacgtttaa ccctaaggnc ccnnctggtc cggntcctcc tccttccccg 300

gtttgnccct tnnaattnag aactcctnca acnnannaat tccccaatcc ccaaaaaatc 360

ctgcncctaa ggaataatgg gnggcggtca aacntaaagg gggataccag g 411

<210> 16022
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-C6

<400> 16022

aactaaggca gagagttcac cattagaaga tccaacattg ctccctgaag aaagaaagct 60

aattgcagac aactgtgcta gcaaagagcc agtgaagtcg atcccgtgga ggctgatatt 120

gtcgaaacca ccggtttggg ctctcatcag ttgccacttt tgtcacaact ggggaacatt 180

cattctctta acatggatgc caacttatta ccatcaagtg ctgaagttca accttatgga 240

gtcaggactt ctctctgtat ttccatggat gacaatggca atatctgcaa atgccggtgg 300

atggattgcc gatacacttg tcagccgang tttctctgtc acgaatgtcc gcaaagataa 360

tgcaaacaat aagggtttct tgggaccagc gttcttccta acacagctga aacacataan 420

attcncccaa caatggctgt ttgtcatggc ttgtatcang ggga 464

<210> 16023
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-038-Q1-E1-C7

<400> 16023

gataaaaccc aaaagaaact aggaagagga gtaaataata tttgttttaa agaaatgatt 60

ctccacaaaa tggcgttctt ggccgttatt ctcttcttct tgataagcag cagcagcgtt 120

tgcgttcata gccgtgaaac gtttgcttgc gatacaaagg acgcagcaac agctacactg 180

agattctgcc agctttcagt tcctataccg gagagagtca gagatttgat cggacggttg 240

acattggccg agaaagtgag cttgttaggg aacactgcgg cggcgatacc acgtctagga 300

atcaaagggt acgagtggtg gtcggaggct ttacacggcg tttcaaatgt gggacccggt 360

actaagttcg gtggggttta ccctgcagcc accagtttcc ctcaagtcat caccaccgtt 420

gcttctttca atgcctcctt gtggg 445

<210> 16024
<211> 86
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-C8

<400> 16024

tattgggtgt tgggatcaac ggtgttgaan gaatgcaaag cggttaagtc caancgatat 60

aaccaattgc tcaattccnt tactta 86

<210> 16025
<211> 262
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-D1

<400> 16025

gattaanatg acgaagattc tcccaagaaa agcagtactc gtgcagcttc gagatccact 60

tctaatgttt catctgggca tgatctgctt tcacgaanag catcacaggc acaacaccat 120

gggngaatgg cataccgact tactatgctt gttgcncgga accttctctt tgcttcaaga 180

cattcntttt cccgtgtggt acnttggcaa agattgccac tgcagcatnn agnaggcnca 240

tctcttcang cttgaagcnt gt 262

<210> 16026
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-D10

<400> 16026

nacactctct acaatgttgt ctatgctctg gttccttcta tctcttctct ctcttcttct 60

acttccttgt ctccgacctt gctttcctgc taaaggatct ctgaaaaaca aaaagaagat 120

tgacaaggga acttatgtgg tcggagagga ggagacacct aaagagcttc agagagagct 180

gatgccgaga cacgtggcag tgataatgga cggaaaccgg agatgggcta aacagaccgg 240

attgttgacg tcacaaggct acgaggctgg agctaaacgg cttctcgagt tcgctgacct 300

ctgcttcaaa ctagggataa atactgtctc agcttttgct ttctccactg agaattgggg 360

aagacacaag attgaagtca aatgcttgat gtatttgttc caacgttacc tcaagtcaaa 420

gattcaattt ttccaganca aggaaatc 448

<210> 16027
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-D2

<400> 16027

antggtcttc tgggccgncn cgggtccgga aanaacgggt cgagccncgc gtccgattca 60

tgtttcaaac ttcaatggcg ttctcgagtt ccatcttctc tgttactcag ttttcttctt 120

cgttagcttc gcgtccttct tctgcaatca gtaggcagac tcgttttccc gctcaaattg 180

cttctccaga tctatcgcct gctttgttcg atgatcgccg gaagttcgtc ggangtgtaa 240

tgtctctctt gacgaagagt attaaaaacc gtgtanatgc ttcgattaac ancattgant 300

cgggcgntaa tccancgtat ccgaaatccg aagaagatga cgangttgtt ccaangccaa 360

agggtangaa agaacaagaa gntganccng aaancna 397

<210> 16028
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-D3

<400> 16028

gtggctttgg tttcgttgtc tttgctgatc ctaatgttgc tgaaagagtc gtcttgctta 60

aacatatcat tgatggtaaa attgttgagg caaagaaggc tgttccaaga gatgatcacg 120

tagtatttaa taaaagtaac agcagccttc agggatcacc tggcccatca aactccaaga 180

agatctttgt gggaggtttg gcatcatccg tgacagaggc tgagttcaaa aagtattttg 240

ctcagtttgg gatgatcact gatgttgtgg tgatgtatga ccacagaacc cagcggccta 300

gaggctttgg gttcatttca tatgactctg angaagctgt tgacaaagta ctgcngaaga 360

cattccacga nctcaatngg taagatggtg gaagtcaaac tggctgttcc taanggatat 420

ngcctcaaca cantgcggaa accaaatg 448

<210> 16029
<211> 452

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-D5

<400> 16029

nagtggatgg atgtcttata gaatgaacaa aacatcctct gtttctcttg tccttgtccc 60

tttttccaga tcttaaggtt ttccacattt tatcatctgg gtcctctcct taatgatttg 120

aagacactca attcctattt gatcggggac tagaatttgg attctgtttc agacaaaagt 180

agatttccct gtctctttcc cgtttgattt tcaataagat gaatccggag gagcaaaaga 240

tggaatctgc atcggatctg ggcaagctct tcattggcgg gatttcatgg gacacagatg 300

aagaacgact gcaagagtat tttggcaagt atggagattt ggttgaagct gtgatcatga 360

gagaccgtac taccggacgt gcccgtggct ttgggtttat cgtttttgca gatccttctg 420

ttgccgagag agtcatcatg gacaaacaca tc 452

<210> 16030
<211> 272
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-D8

<400> 16030

gcccaagcgt ccgattttct tcaaaacgat tcgggtcaag gttattgact ttctcattca 60

gtgaagcttg aatcatggcc tcgagaattg ctaaagatgt gactgaattg attgggaaca 120

ctccattggt gtatttgaac aatgttgctg aaggatgtgt tggtcgtgtt gctgctaaac 180

ttgagatgat ggaaccgtgc tcnaacgtna aagacangat tggntttaac angatttcng 240

atgcanaaaa gaaaggtcnt ancaaaccaa ga 272

<210> 16031
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-E10

<400> 16031

nagcagcaac agcactggag ccatcccaat ctctttgtat tttgagctct tggctctctg 60

gttctgcatc tcggttcctc tcaccctatt tggaggattc ctaggaacac gagcagaagc 120

aatccagttc ccagtgagaa ccaaccagat tccaagggaa atcccagaac ggaaataccc 180

gtcatggctt ctagtccttg gagcaggaac ccttcctttt ggaacgctct tcatagaact 240

gttcttcatc ttctccagca tatggttagg gagattctac tatgtatttg ggttcttact 300

catagttctg cttcttttgg tantcgtgtg tgcagaagta tcagtggtct tgacctacat 360

gcacctctgc gttgaagact ggaagtggtn gtggaaagcc ttctatgcat ctggttcant 420

cncaatgtna gttttcgctt antccat 447

<210> 16032
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-E12

<400> 16032

caaatgagtt tgctggtgga agttctgaag ttcattatgc attacgtgga atatttgagg 60

gattgcttca gcagcttctc tctttgaaat ggaatgaacc agaacttatg aaagtgcatg 120

tccactatct ggatgcaatg ggtccctttc tcaagtattt tccagatgca gttggaagtc 180

tcatcaataa attatttgag cttctcacct ctcttccaca cgttgtgaag gatccagcta 240

ctagtacatc tagagctgca agattgcaga tttgcacatc tttcataaga atagccaaag 300

ctgcagaaaa aagtgttctg cctcacatga agggtattgc tgatacaatg gggtacttgg 360

caaaagaagg aactttactc cgtggggagc ataacattct gggtgaagca tttcttgtta 420

tggcttcctc agcanganct caacagcagg 450

<210> 16033
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-E2

<400> 16033

gctagttgca tgttggcctc aggaagtgat gacgggacat tctccatccg tgatcttaga 60

ctgatcaaag gtggagatgc tgtggtagca cattttgagt accataagca tcctattacg 120

tcaattgaat ggagcgctca tgaagcttcg acacttgcag tcacttccgg tgataaccag 180

ctcacgatat gggatctatc cttagagaag gatgaagaag aagaggcaga gttcaatgca 240

cagaccaagg aactagtcaa cacacctcaa gacttgcctc ctcagcttct ctttgttcac 300

caaggacaaa aagatctgaa ggaacttcac tggcacaacc aagattccgg ggatgatcat 360

ctcaactgct ggtgatggtt tcaacatcct aatgccntac aacnntcaga acacgcttcc 420

gtctgagcta ccagcctgaa aagacaaggt cttactccgn a 461

<210> 16034
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-E4

<400> 16034

cnnnnagcaa ncnggtccgg agctacgggt cgaccncgcg tccggagaaa aaaagagatn 60

acacgtggga atccaactta ccaattgcaa tggcgtcaat gaccatgaca tcttcatttc 120

tccctaccgt ctcaaacctt ccggcaaaca tctccagcaa caagcagacg aagcctcacg 180

gtggtcaaaa gcctccggga gtgaaaacac aaccagcttg ganaacaaga agcaagaaca 240

agagcatgaa aaatgaggaa ggatnttgtc ntcacaggtg cagctncanc tgtgtgctcc 300

ttaantaaag tggnaatggc nagacgatga gccccagaga ngaacagaaa ctgccaacga 360

anaaagtatg ctccagtctg tggtnacaaa tg 392

<210> 16035
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-038-Q1-E1-E5

<400> 16035

ccgacgtaac catggatagc gatactctct caggattatt ggaaaacgtc gccaaaaaat 60

tccccgatcg ccgagctctc tccgtttctg gaaaattcaa tctcactcac gcgcgtcttc 120

acgatctaat cgaacgcgcc gcttcacgcc ttgtctccga cgctggaatc aaacccggcg 180

atgtcgttgc tctcaccttc cctaacaccg tcgagtttgt tataatgttt ttagcggtga 240

taagagctag agccacggcg gcgccgttga acgcagcgta cacggcggag gaatttgagt 300

tttacctctc cgattcagat tcaaagctat tgttaacctc taaagaagga aacgcaccgg 360

ctcaagaagc agcttcaaag ctgaaaatct ctcacgtcac cgctacgctg cttgacgctg 420

gctcggacct tg 432

<210> 16036
<211> 95
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-E6

<400> 16036

tctgcnaatt caatttatta agctttttta cctgacacnt gctctaancc tggacctgat 60

gttaatcatg accaacgtat gagattcatt anggc 95

<210> 16037
<211> 523
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-C3

<400> 16037

ggaatagagg aaattcnnaa ggtanncncg gtccgnagnn accgggtcgn cccncgcgtc 60

cgtgcaaatc ttcagtttcc gtttctctcc tgagaaattt attgacttca aaaaccctaa 120

aaagacttgt gattgttcgt ttctctaact cgaatgttga tcgtacgacg gtgagtgatc 180

gnagtacaat gacgaagaaa tcacagccgc agattccgcc tccattgtcc cgtcgcggcg 240

gcgtcgtgtg gctgggatgg aaactcgtaa tcgctttctc cgtcgcgctt tgccttcttg 300

ctcttcttcg aatccaacta cagtacaatt ccttcacgac attgtcgttt ccactctccg 360

tcgcgaagat ctcagacacc gcttcacaaa tactccggtg atcgtcncaa gctcgctttc 420

cttttcttag ctcgccgtga tnncccactt gaatttnatg tgggatagat tcttcaaggg 480

aagtggatca tgccgaattt ctcanattta tatacatnca ntt 523

<210> 16038
<211> 132
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-A3

<400> 16038

ggttcgnctc tgatnctacc gacctcgcct cctccgtgaa acgagacatt accgaggttc 60

aatctctttg ttccaatatg gacggtctct ggcgttcgat ncctgtcaaa tcccagcgtg 120

atctttggnn aa 132

<210> 16039
<211> 535
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-A4

<400> 16039

ggtnnngaat gttcttctgg gcaccacggt ccggacctac cgggtcganc cncgcgtccg 60

ctcaaantca atggcggctg aaatggcgtt agtgaaaccc atctccaagt tctcttcccc 120

aaagctctca aacccgagca aattcctctt cctcaccgcc tcctccaacc accgccacct 180

cgaagtccaa gaagggaacg aagaaagaga ttcaagagtc gcttcttact ccgaggttct 240

acacgacgga cttcgaggaa atggaacagc ttttcaacac ggagatcaac aagaaccttа 300

acgaagcaga gttcgaggct ctgcttcaag agttcaagac cgattacnac cagacacatt 360

tcgtgaggaa caaggagttt aaagaagctg cagacaaatt gcaaggacct ctccgacaga 420

tcntcgttga gttccttgag cggtcttgtg actgcggagt tctccnggtt tccntcttag 480

anggagcnng gctanngact ccnagagagn aagccgnggt tgtggncgng agatt 535

<210> 16040
<211> 466

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-A6

<400> 16040

aattcgggca gagaagaatg ttattgattt atatgtcatg cttctgcggt tttcaagctt 60

ggctctcgag actataccgt cccatcgaga ttacagaaca tctctaaaaa gcaataaaga 120

gtatttgaga atgagactac tanatgtctt gacggagctg gagaagttga naccagttgt 180

acagcaaagg attgatgaac tgtatcccaa gctcaaacct cgatataacg ttcaagctca 240

tccagcaaat ggttccctaa gctggtcttc tgccgtgaaa ccgtcattta atagctatga 300

tcatgcaaag gtaagaaatc ctcctggaca taattctggc tacatggggt tccangggtc 360

agcaattttt gaacgctgca acacntnaag aacgtttcng aaagatgtcg gtgaacttcc 420

gaccaaatga agaaaccctt tccaagcaat tcnancntgg ggtcaa 466

<210> 16041
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-A8

<400> 16041

gctaacacaa ctctcgccgt tgttttctct gctccaccgt caaaacctgg tggttggatc 60

gcttgggcta ttaaccctaa atccaccggc atggctggat ctcaagccct cgttgcctct 120

aaggacccta gcaccggcgt tgcttccgtg acgacccttа acatcgtctc ttacagctct 180

ctggttccct cgaaactgtc ctttgacgtg tgggatgtta aggcggagga ggcggctaat 240

gacggtggag ctttacgaat ctttgcgaaa gtgaaggttc cggcggattt agcggcgagt 300

gggaaggtta accaggtttg gcaggttggt ccgggagtgt ctaatgggag gatacaggct 360

catgatttca gcggtcccaa tcttaactca gtgggatcac tcgaattaac cgggacaacc 420

cccggagtcc ctgtctccgg angtggttgg tgccgg 456

<210> 16042
<211> 448

<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-038-Q1-E1-A9

<400> 16042

aagcgtccgc tctcttctta ctctcaccat atctgctctc tctctctctc tgtttcaagc 60

ttttgctccc atttttcatt tccttcgtat tctcgctcga gcttagcggt tgatgtacca 120

atgaccaaat cgatatttga atcgccgtgg ctacctttct ttttcttctg atttctctat 180

ctctcgcttg attctaccac ttttagggtt tctattattc ccagggactt tgggtttctt 240

taagaagttc gattcgtctc cgttttcttt ttagggttaa cgaagtctgt ggtgttggat 300

ttcgatcttt tttttttgg tatcttcccc attgactgtt gcggtgataa gagagtgacg 360

caatggtgtc taagaatgat catatcgaga ctttattcaa ttcaatccaa ctagttaaag 420

atgttgttct tcttccgatt gaagcttg 448

<210> 16043
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-B10

<400> 16043

atgttcaagg gattttgttg gagagggact ttaacatagc acagagagca ggtggagttg 60

gtaaaccgtt cctaaggcaa gttgatgaag ttcaagtgaa tggaagtacg ttgganattc 120

atttgaagtg gacaggaaaa ggcacaaacg taataccaac aagaggtgtt tacgggcctc 180

tcatatccgc tataaccgtc acaccgaatt tcaaggttga taccggaaaa ccattgtcca 240

atggagtagt tgcaggcatt gtaatcgcag cgtgtgtagc tttcgggttg ctggtacttg 300

taatcctcag gctaacaggt tacttaggtg gaaaagaagt ggatgaaaat gaagagcttc 360

ggggactcga tttgcagaca ggatcgttca cattgaanca aatcaaacgt gctactaaca 420

actttgatca gaaaacaaga ttgg 444

<210> 16044
<211> 514
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-B2

<400> 16044

ggatanagaa tttctnnagt nnccgcggtc ngnagctaac gggtcgnccc cgcgtccggc 60

aaaaaacagc gattcgtttc gtttctgaca agtttccaat tctacagcaa tggatctcaa 120

tctcgatgca cctcactcca tgggaacgac catcatcggc gtcacttaca atggaggtgt 180

cgtcctcgga gccgactcac gtaccagcan cggtatgtac gtagcgaatc gagcttctga 240

taagattaca caactgacag ataatgtcta cgtctgccgc tctggatcgg ctgctgattc 300

tcaagttgta nctgactatg tccgctactt ccttcaccaa gcatacaatt cangcatgga 360

caacccgcaa ctgttaaggt ttctgcnaac cttatcagga tgctcgcata taataacaag 420

aacatgctcc anactgggtc tnaacgttgg aggatnggat naatatgang gtgggaaaga 480

ttncgggatn tcactnggnn ggaactggtn gncg 514

<210> 16045
<211> 216
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-B4

<400> 16045

canaaagaaa tgtcggaccc naaacctcaa attctggata tgggagtggg aatagangng 60

gttggacttc gtcattcatg tctccagaga nnngatgcaa agaaaatgta gctttttcct 120

gaaatggtga gtgagatgat gcgctgttaa tgtgactccg tgcccttaat tcanctctga 180

anctacagca taaatcagaa cttggtgtca ctaana 216

<210> 16046
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-038-Q1-E1-B5

<400> 16046

gagaagaaga agaagacgag acgacgaatc cagaaacaga gagagaggga gagagctttg 60

aatatcttat tgtacacaat cttcttcgca tggaagattt ctgtttctcg tcactctgat 120

atccaaaaat gtctggatct gattttgatt tcgcggcgtt tcgagttcaa tgctaaaaca 180

tcgaagcggt ttcgaatctc tgagaatcga aggaaaacga agcgtgtagg ttagggaact 240

taagattacg ttgaagagaa gcaagttctc ttaaatcgca actttggaga agtttcgttg 300

ttggtttttg gtaaagcgat ggagtcacga atggatcagt acgagcttat ggaacagatc 360

ggggagagga gcgtttggtg ctgctatttt agttcatcat aaagctgaga gaaagaagta 420

tgttttgaag aagatcagat tag 443

<210> 16047
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-B6

<400> 16047

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gacgacgttg agttcctact cgagaagcaa aaacagccgg cgaaatttgg agatgaagct 120

tacgattcct ttgtcgattc cgatctctgg gacttaccgt caacagattt acaggctctg 180

gaagacggag tgaggtccgg atttagtatt tctatacttg actcatgctc ggaggaggtt 240

gatttgatga atttcgactt cgaatccaca ctgattctgc tgctggagaa tttagggatt 300

gatattagcg atgtangaga gtggagaatc gtcaagtctg tanaaaaacc tgagtttgga 360

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tttaaaagac aactggtaat tggangttca ngggaacaan nct 463

<210> 16048
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-B8

<400> 16048

gcttcttgtt cggcttttat catctctgaa aattgcttta tttggttgaa ttcattggat 60

tgttgatcga gattggttta ctgattgatc gaaagtatgg aggaagatcg tggggaagcg 120

atcgttttag atatttcgcc ggagattaat aatactccgg cggtaatgat gagagttcca 180

cggaggattc gtgagaggct tttgtctgac tgtagtaata agaagacagt atcttctgtt 240

caagatattg aagacaagct tcttcatgcc catctacgaa gacagcaatt ttatcataac 300

gtttcgagaa aggctcgtgc taaacctaga antcctcacg atnatccgat gaagaacttg 360

gccaacgaat cgaaancaag acttctggct gctgaacaaa aaaggttgga natccttgcn 420

aagnccnnat ccttttggca anttagatag ttaag 455

<210> 16049
<211> 526
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-C1

<400> 16049

ggnattnngg atgttcctct aggcnccgcg gtccggatgn acncgggtcg acccncgcgt 60

ccgcgaaaaa ngagacgaag aaacacagag atcggtgatg gcttcacaga gatattcaac 120

agagagattg gtttctctca tccaatcacc atctctcgtc gaatctccgc ttctgagggg 180

agagtgaaga aactagatct ttacgggaag ttaaatggtc atgagggatg tgtgaatgca 240

gtggagttca attcgactgg cgatgttctt gtttccgggt ccgatgatcg acaaatcatg 300

ctctggaact ggttgagtgg aagcaggaag ttgtcgtatc cctctggcca ttgtgaaaat 360

gtgtttcaga ctaagttcat acctttacg gatgacagga caantcataa catctgggtg 420

ctgatggacn agtaagactt ggtcagatcc tagaagattg gttaagttgg agacgaagan 480

gactagggan gcatcacggt cggcgtgtac naggctgctg tttttg 526

<210> 16050
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-C10

<400> 16050

gggtntnngn nggaattttc ttcgcngtac taccggtcan aatgatcncg ggtcgaccca 60

cgcgtccgca caancgtccg gcagaatgat tctggtggag gatcaagctg gggaaagcaa 120

gatggtggtg ggggtggttc aagctggggt aaacagaacg atggtggtgg tgggtcgagc 180

tggggcaagc agggtgatgg tggttctaaa ccttggaatg aacatagtgg tggtggtcgt 240

gggtttggtg aaagaagggg aggaggggga ttccgtggag gtagaaacca atcaggcaga 300

ggaggaaggt cgtttgatgg tggtcgatca tctagctgga aaacagacaa tcaagaaaac 360

acttggaaga gcgaccaaag tggtggatca gactggaaaa aaggttgggg agaggattca 420

aacaatagca aaccatccgg ttcgtctgct ggtggttgtg ctggaaactg gcctaactgg 480

gatactaact caaagaaaga aaccaatgac aaaccgggag 520

<210> 16051
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-C11

<400> 16051

anggttatgt tcagtttcgt agcaaagaac agataagaga agctttgaag cttctcgatc 60

tggaatctgt tcactctttg ttcgatgatt tcattcaaag agcttctaat tgcattgctt 120

ctccttcctc taacggctct gtttcgtctc gtcctccgct gcctccggcg actacgacgg 180

ctgctcgttc tgattctcag tcaagtttga atttttctga gagagctccc gttcgcccca 240

aggatatggt ttcgcgagac gatagcttcg tcacaaagtc taagccttct tctctctaca 300

gtgatggttt tgcagctcct cctcgaagac cacagattct cgattcaaca cttaccaccg 360

gcaatgatgg gagagaagct gagtttgata aaacttgcta atttgattga ggtatcagct 420

aagaaagcta cacaagagat aaatctacag 450

<210> 16052
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-038-Q1-E1-A2

<400> 16052

tcagtctctg tttttagctc tgtgatttga gtttttattt tgcggtggcg ttgtatggct 60

atggcctttc ctctttctta tactccgacg attactgtta aaccagtaac gtactctcgg 120

agatcgaact ttgtagtttt ctcgtcgagt tctaatggac gagatccttt agaggagaat 180

tcagtaccta atggtgtgaa aagcttggag aagcttcaag aagagaagcg tcgtgctgag 240

ttatctgcta ggattgcttc tggagctttc actgtacgga aatctagttt tccatctaca 300

gtgaagaatg gtttanctaa gaatggaata ccaagcaatg ttcctgaatt catgtttgaa 360

tggactgggt ccgaacaaag aataacccaa aggttccgaa ggcnaaaggc ccgaatcaag 420

gcggtccggg aaagaaacct tcctcanccc tttgtaagaa 460

<210> 16053
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-G11

<400> 16053

actctctctc tgtttctgca ttacaaaaag tgtttgtttt caaggtttct ctctttcact 60

tctctttgtt ttcttcattt caatttctgg attttgcttg tagctacatt tggtctcact 120

ctattccatg gctgacactg gtgaggttca atttatgaag cctttcatct cagaaaagtc 180

atctaaatca ttggaaatcc ccttgggatt caacgaatac ttcccagcac catttccaat 240

aactgtggac ctcctggact atagtgggag atcttggacg gttaggatga agaaaagagg 300

agagaaagtg tttcttacag ttggttggga gaattttgta aaagataaca atctccaaga 360

tggcaagtat ttgcaattca tctatgaacc gcgacaggac cttttangtt atcataaaan 420

ggtcataaca tgtgtnaccg aa 442

<210> 16054
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-036-Q1-E1-G12

<400> 16054

gggnntntnn nngcattttc agccgctacg gtctannatc cgggtcgacc cacgcgtccg 60

ntcaacgagc ctcatcctgt tttgaagctt catgcgctct ctaacctcaa caatttggtt 120

gaccaattct ggcctgagat ctccactagt gtccccatca ttgagagttn ntangaagat 180

gaagaattcg atctgcatca aagacagctt gctgctttgc tggtctctaa ggttttctat 240

tacttgggcg agcttaatga ttcgctgtct tatgccctag gagccggtcc cttatttgat 300

gtttcagagg attctgatta tgttcatacg cttctggcca aagcaataga cgaatatgcc 360

agtctcagat caaaggcagt tgagtcaaat gagatggtgg acattgatnc caggctagaa 420

gcgattgttg aaagaatgct tggaaaatgc atcagtgatg ggaaatntca acaagccatg 480

gggcaattgc gatagaatgc ccgg 504

<210> 16055
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-G2

<400> 16055

gcttgggtct tcntcgagga gagctcctac ttctgggttt tctaaaggag cgcaaaacgg 60

attccagagt tccggtgttg acagattcct gctgcccgct tcggagtgtg aatacacact 120

ggacttgctt ttggatgagc tccaatcaga ccagtggcct gttcagccag gtcatcgtcc 180

ccaacgatgc acaggggttg cattgagtgt agctgcagga ttgcttggag cttgcttacc 240

tggaactggt gctagaattg tagctttggt tggaggtcca tgtacagagg gccctggaac 300

gattatctca aaggatttgt cagatcctgt gcgctcccac aaagatctag ataaagatgc 360

tgctccttat tataaaaaag ctgtaaagtt ttaagataag taattgcaaa acaancttgt 420

ccctcaangg tcangtgtta aacccttttc ccttctgcaa cttgat 466

<210> 16056
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-G3

<400> 16056

ngaatggtnt ccgngnncac gttcgganac ccgggtcgac caagcgtccg atcggagatt 60

cggagtagag aaaaatgtca ggattcgtcg ggattttggt atcggatcca tggttacaga 120

accaattcac gcaagtggag cttcggagtt tgaaatctca cttcacgagc atgaagagag 180

agagcgggaa gctaacagta tcagacctcg cgtcaaggat ggggaaatca aaagtagttg 240

gagatcagaa tctaagcaac gaagaacgag cgactttgat ccaaaatttt catccgaatt 300

tgaatgatga agtcgatttc gagttttact taaggattta tctgaatctt caagcgcatg 360

taaacgcaat aatcggaagc ggtgttaaaa actcatctgc gtttcttaaa gcagctacaa 420

caactttgtt gcatactaat agtgantctg agaaatcctc ctaangttgc ncanaacaat 480

aattancccn ccggganaat aantttcaaa caaatngcct 520

<210> 16057
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-G6

<400> 16057

naaccagtag tggacagcaa atttatgttc ctaaagctgt ctcacgaggg agaggaccca 60

ggaaatccga cactcccctg aggaatgaaa atcaagcaca ttctgagcaa agcaaacagt 120

tacgaaattc taatgggtct caaaactctc gtgagaaaat gccacacctc gattcacggc 180

gttcaccaac tgcccctgct aaaactgaga atcaaggtgc ccatgccaaa aagaatgtag 240

ctgtgtcaag tttgagttcc gcttctcctc cattttatcc ttaagcgccg ttcaattatg 300

tggtacatgg tatacnagtt antatggaaa gactccacac aaatgaaagt gtcccgcctt 360

ctgggaagaa gtttaggaat acnaaatccg gttattcacc agtttggggc tgccaagact 420

cttcagtcca ctantcaagg taaagggcac ctgc 454

<210> 16058
<211> 440

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-G7

<400> 16058

atagaatcgg tctctttctc tataatctct ctctctctct gacttgtttg tgttctctca 60

aatcctctga taagaatcaa tggccaagga attagcagag aaagctaaag aagcttttct 120

agatgatgac ttcgatgttg ctgttgactt atactccaaa gccattgact tggatcccaa 180

ttgcgccgcc ttcttcgccg atcgtgctca ggccaacatc aaaatcgata acttcactga 240

agctgttgta gatgcgaaca aagccattga gttggagcca acgttggcaa aagcctatct 300

cagaaagggc actgcttgta tgaagctaga agaatatagt actgctaaag cagccctgga 360

aaagggagct tctgttgcac cgaatgaacc aaagtttaag aagatgatag atgaatgcga 420

tcttcgtatt gcagaanaat 440

<210> 16059
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-H11

<400> 16059

gnnntnnngc aacgtttatc cgccgccacc ggtctnaaaa tcccgggtcc gacccacgcg 60

tccgngacaa ggtcgatgag gaagaaggtg aagagtgctc gcaggagtgg ttccaactcg 120

tggcatcatt cagatttctc taactcggaa gttgatccta ttttcgcaat ctaagatgcg 180

taaaagaatc gtgtatatat attgttgtat ttggtgaaga gagctagact atttagtgta 240

taaagccccc tgaccatcaa aaggcaaaca ctattgtcaa ccattaaagg tttacactgc 300

tcaactcatc tgtaaaacag ttaacaattg tcttcttcgg aaagcaaaga aaagcaaagg 360

ttcctttgtt aggaaaaaaa aaaaaaaagg gcg 393

<210> 16060
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-H12

<400> 16060

tntgccggnc cngtancgcn acatatcacn cggtcggccc nacgcagtcn gagcnaacgt 60

tgcatcacga taatgaagaa taacttatag atccatcccc ttttgtctcc taattcttaa 120

ttttttagaa agagatcatt attgttctcg gatggagata tttagaaagg caacgattgt 180

acgtctccgt agccacaacg acaaatacct aagtgccgat gaagatcaag aatccgttca 240

tcaagatcgt cgcggcacaa caaaaaacac tagatggacg gttgagatcg tacctggatc 300

caatgtgatc cgtcttcaaa gctgttacgg caaatacctt accgccacta atattcattt 360

cctccttgga gccaccggcg aaaaggtact tcaaactcta cccgaaaagt tggattcatc 420

tgcggagtgg gaaccgctat cagacgatgg tgtacactac ggtcaagaat cgctacgggc 480

aatatctgan ggca 494

<210> 16061
<211> 73
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-H2

<400> 16061

ggtgggcntc taccttaaag cgccaagtgg gaaaagntct acgttatcac gtggaactcc 60

ccnggaaagg aac 73

<210> 16062
<211> 535
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-H4

<400> 16062

nnnnnancgg ttncctgggc cctngctttc cntgancccn taggggtcga ccaaacgcgt 60

ccgcatccnt tgtagcattc tgaaaggtac angaagcgct aggcggcaga caaaatccaa 120

caaaaaggtt actgagccac cgccaaagcc gttgaacttc gattttctga atgtgccgga 180

gaaggttact tggactggga taaacggttc agaagaagct tggttgcctt tcattgggga 240

ctacaagatt caagaatctg tcagccaaga ttgggacaga gtattcactc ttgtcacctc 300

ccaaaacgct ggaaaaacga tgttctagaa gattgctgca gaaactcaca aattgtaata 360

acacgcgctg ctagattatc atatctactt agtatttact gatcgttggt tggaatgcna 420

gttaattttt tagtagtgat agttttagta acactttgat ttgagttgta atgtactttc 480

ntaacatttt cntagataat ttgaangcaa tgtatgtcta aaaaaaaaaa aaaaa 535

<210> 16063
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-H5

<400> 16063

gctcnnancc aaatcaccct gccacgcgcg ccgtcgtcgg agattggcct cttacgccgt 60

cgattggagc ggccgatnat cagaacccgg atcggattca acggccggat tgcgancgta 120

ttgactaacg caggggacca agcggtgtcn gtaaaagcga gtgtgagcca gaaggtgatt 180

gaagaggaag ccaaagttat tgtgggtacc tacgcgcgag ctccagtggt tctctcgagt 240

gggaaaggtt gtaaattgtt cgaccctgaa ggaaaagagt atctggattg tgcatctgga 300

atcgctgtga atgctcttgg tcatggagat cctgattggc ttcgagctgt cactgagcaa 360

gctggtgttc ttgcccatgt cagcaatgtt tattacacga tncctcagat agagctcgca 420

aaacgcttgg tggcgagttc tttgcanaac gtgtat 456

<210> 16064
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-H6

<400> 16064

ttgcctcaaa ctcaaatttt gaagataatt tttttggttt ctctgctact gatttcgaat 60

ctttacgctt aatcaattat tcatctggat tttcaaatcc aatccttttc ctccctggtg 120

accaagtaat tggggattaa caaagggact ggggctttat taagctcgaa acaattgttc 180

ttcactctgg ccgcttctgc aaagtcgtgt gcttctcgca cctctgcgca ggtgtggggt 240

ggccttgaag tggtgacttc actctgtctt ccaaggattt ctctagcttc tatcatttgg 300

angctccgtc gtgtttctga nggtctaccc ttgattacgg ctaacattta ctacgcccac 360

tataccacct cttaagcttt ataagaactt ttaattcgtg caaaaactaa cttggatctt 420

aantgttcca gttnattgtg gt 442

<210> 16065
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-H8

<400> 16065

ctgctccagt tcgacctgac gtctggtaaa gtgacggtgg tggattgatc ggtgctcatg 60

tcaccgtcaa gtccttggac ggtgacaaga ggtcgtgcgg cggctgaggc aaccatcact 120

ttaccagacg tcatgactgc tccagttcga cctgacattg tcaacttcgt ccacgcccaa 180

atctccaaca acagccgtca gccttacgca gtctccaaaa aggccggtca ccaaacctcc 240

gccgagtcct ggggaaccgg aagagccgtg tcacgtatcc ctcgtgttcc tggtggtgga 300

actcaccgtg ccggtcaagc agcgttcgga aacatgtgtc gtggtggtcg tatgtttgct 360

ccgactaaga tctggagacg ctggcaccgt cgtgtcaatg tcaacatgaa gangcacgcg 420

attgtttctg caatcgctgc tactgctgtt cca 453

<210> 16066
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-H9

<400> 16066

gnnntntngc actttttttcn gcccccacgg gccttatatc ccgggtcnac caacgcgtcg 60

angaacttcc gccttattca gaattttaan ggaggttcaa naagaacaca aggaaaaatt 120

ggactatatg ttatgggacc acgggagaca ccatctgttt gtaccaggac cagtgaannn 180

nccggaaccg gtaatccggg cgatgaaccg gaacaacgag gattaccggt caccagccat 240

tccggcgctt acgaaaacat tgttggagga tgttaagaag atattcaaga ccacatcagg 300

gacacctttt ctgtttccca cgaccgggac tggtgcttgg gagagtgcct tgaccaacac 360

gttatctcct ggagacagga ttgtttcgtt tctgattgga caatttaact tgctctggat 420

tgaccagcan aagaagcnta atttcaatgt tgatgttggt tnaagantna tttggggaca 480

aggtgctaat cctccaagtc ctgggcctca aaac 514

<210> 16067
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-G10

<400> 16067

ngcncatntt tcagnccgct acggtcctta tatcccgggn ccacccangc ntncnaacaa 60

gccttcgncn gaaactaanc ccaancctnc nctncnangg ctcaactcgc tctcccctcc 120

tcctggtnaa nacggaagca aacaaaccgt tcctncctcc cctcccggtg acaccgttcc 180

caaaataact tctgtatcat tgaggggatc agagacagtt caagactttg tgcagatgca 240

gcttcaggaa atccaagata acataaggag tagacgcaat aagatatttc tcctcatgga 300

ggaagtgagg aggttacgtg tgcagcaacg tatcaagagt gttaaagcca tcaatgagga 360

cagtgagctc gaggctaccg agatgcctga gatnacatct tctattcctt tcctccctaa 420

tgtgacacca aagactttga aacaactcta ttcgaccaac gttgcattga tatccggaan 480

tatcctcctt ggtggtcnca attgcaccta 510

<210> 16068
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-D1

<400> 16068

gaatttttta aaaaaaactc tccatatatc tattacttct acgctaacta gagagggaga 60

ttattgctct taagtgatgg aggaagtaaa gaagagggat tgtatggaga aggcaaggcc 120

attcatttca atggtagtgt tgcaagtagg gctagcanga atggatattc tctcaaaggc 180

tgttctaaac aaaggcatga gcaattacgt ccttgttgtt taccgtcacg ccgttgcaac 240

catcgttatg gccccgttcg ccttctattt cgacaagaag gtgagaccga agatgacact 300

gatgatattc ttcaagatat cactccttgg tttactcgag ccagtgatcg accagaactt 360

atactatctc gggatgaaat atacgacagc tacatttgca accgccatgt acaacgtcct 420

aaccgcaatc acttcgtcct tgcctatata ttggcctcca aaaantaa 468

<210> 16069
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-D10

<400> 16069

ngggttttcc naaatttttc cnaacnaaac ctttttttnt tncctccctc cccccaaaan 60

cttnccnttt nccttttccc caaaggggtt ttttcccctn cccngggcct taaacttccc 120

tncnaagggg ttttttcctcc ctttccctcc ccaaactttt tccccccntnc ccnaaggcct 180

ttttaaatcc ccctttttnt ggaattttcc ggtcccctgc ggagngcctt taaactgggt 240

tattttaacc ccaaaaaaat cctaaaagcc ttttctcaag tggttcttcc atttctctac 300

ttttgttttc atgtaaatgc tggcaaactt cgcaataccc atcttcaatt tcttcaattc 360

gtaatgggaa aaagcatttt agtttaattt gggtttggtg gtcccacttg ttcatctcna 420

gtctaacatc catgatccat tcngaggttt gnacnatggt gtacatgaca aatcanggtt 480

ggtagtactt agatgaanac ngctgggcat gggtc 515

<210> 16070
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-036-Q1-E1-D12

<400> 16070

cagagtttta gttttagcag agttggtgaa atcaatgggc caccaaaacg ccgccgtttc 60

agagaatcaa aaccatgatg acggcgctgc gtcgtcgccg ggattcaagc tcgtcggatt 120

ttccaagttc gtaagaaaga atccaaagtc tgataaattc aaggntaagc gcttccatca 180

catcgagttc tggtgcggcg acgcaaccaa cgtcgctcgt cgcttctcct ggggtccggg 240

gatgagaatc tccgccaaat cccgatnttt ccaacggaaa catgggtcan gcctcctaac 300

tantcaactc ccggtgaact ccgaatccct ttcantgngc cctaatctcc gtntctctcc 360

gccgggnana ttaaaccgac aaacanagct tcaanccaag tttcattang gtcctgncgt 420

tccttctccc ttaaaaagg 439

<210> 16071
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-D6

<400> 16071

ttgccccatc aatggatatc atcagatggg gtcttggatc aaccgcagta aagatttcag 60

aagaatacat ttaccgcatg cctcagcgcc aaagacttgc ccacttcatt ggactgatgg 120

agatgctaaa tccttatcca aagccaaact gttggttgga gcttttaccg ggaagatggc 180

gtcttttata ctcaactgga aagcacatag gtctaactct gcgtcagcct tccacacgtg 240

ccttaatagg caacgttcac ttaacgataa ctcgagcttc agaatccata aacaacactt 300

cactttcctt tacctctgat atacgcttca ctgccataac cagcaaagac tggccacaca 360

acaaaatcgg agctgctggg aaattacaaa cgctctctca attcagacta atanctggaa 420

aaagacttta cctcaaagaa gagaaaaaga ac 452

<210> 16072
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-036-Q1-E1-D8

<400> 16072

nttttgcttt cctttttttt ttgtaggaaa gggttaatta tacgtaacac agaaacaaaa 60

acaattctct ttttcctcta gaaaaagaga ttaaaaaaaa aatggagggg aggttattga 120

cggtgttggt ctgcctcgtc tctacggtgg cgatcgtgaa cgccggtgat ccttacttct 180

tccatacatg gaacgtgact tacggaactg cctcacctct cggtgttcct caaaaggtga 240

ttctcatcaa cggtcaattc cctggtccta accttaactc aacctctaac aacaacgtcg 300

tcatcaatgt cttcaaccac ctagacgaac ctttcctctt gacctggagt gggattcagc 360

ataggaagaa ctgctggcaa gatggtgtgg ctggaacttc atgccccatc ccagctggac 420

agaactttac ttaccatttc caacctaagg aca 453

<210> 16073
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-D9

<400> 16073

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atgcaatgcc acccgtcttc cgcacttgtc ccctgaccaa attcttaagn ntaagcagct 120

cactgtcctc acccttgctg agtctaacaa ggtattgccc tatgatacac taatggtcga 180

gttagatgtt tccaatgttc gcgaactcga ggactttctt atcaatgaat gcatgtatgc 240

gggtatagtt angggaaaac tggatcagtt aaaaagatgt tttgangttc cgtttgcaac 300

tggtaaggat taaggcangt caactaggga atatgttaca cacattgtcc aactgggtna 360

acacgtcaga gaatctgcnc anttcaattc aagaccanat taaatggggc ggacatatga 420

ntnagatgac aaaaaaca 438

<210> 16074
<211> 207
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-036-Q1-E1-E10

<400> 16074

gtgacgattt caggagactt catcatcagt gcatagaagc aaacggacac cagttggctc 60

ttctctatgt tgctctctat accatagctc taggcggagg aggaatcaaa tccaacgtct 120

ctggttttgg gtctgaccag ttcgatacta gtgatcctaa agaagagaan cagatgattt 180

nctncttcan nanatncaat ttctcaa 207

<210> 16075
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-E6

<400> 16075

acttggattc tttctggtca ccatggcttc ggttactttc tctgtcccca agggnttcac 60

tgaattctca ggattgcgaa nctcctctgc ttctcttccc ttcggcaaga aactttcttc 120

cgatgagttc gtttccatcg tctccttcca nacttctgca atgggaanca gtggtggata 180

caggaaangt gtnactgagg ccaagcttaa ggtggccatt aatggattcn gtaggatcng 240

gaggaacttc ctgagatgtt ggcatggtcg caaggactct cctcntgata tcattgccat 300

taatgacact ggtggcgtca ancaagcttc gcanttactt aaatacgact ctactctcgg 360

aatctttgat gctgacgtca aancttccng acagactgca ntctctgttg attgaaagat 420

aatctcagnt atct 434

<210> 16076
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-036-Q1-E1-E7

<400> 16076

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ctgtctcgcc aggacgtgaa ccttcaacgg attctccttt gtcaccgtct tcatcaccgg 180

aagaagattc tcctttgtca ccgtcttcat caccggaaga agattctcct ctcccaccat 240

cttcatcacc ggaagaagat tctcctctgg caccgtcttc atcaccggaa gtagattctc 300

ctctggcacc gtcttcttca ccaagaagta gattcccctc agccaccgtc ttcttcacca 360

gaagcagatt ctcctctgcc accgtcttct tcaccagaag cgaattcccc tcagtcaccg 420

gcttcatcac cgaaacctga atccctagcg gattc 455

<210> 16077
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-036-Q1-E1-E8

<400> 16077

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tagctcaccg tcgcatcgca gatctactcc ttccgcaata aattttaccg gcggaggtat 120

cagatctcgc cgatctgttg tagcagctac tgtattttgg gcttctcatt tgatattggg 180

gaaacgagga gtagaggacg atggaaaatc tgatctctct ggttaacaag atacagagag 240

cttgcacggc tttaggagac catggagact ccagcgcttt acctactctt tgggattcct 300

tgcctgcgat cgccgtcgtt ggtggtcaga gctcagggaa gtcttcagtc ctggagagca 360

tcgtgggaaa ggacttttta ccccgtggat ctggcattgt tactcgaagg ccccttgtct 420

tacagttgca aaagatcgat gatggaaccc ggg 453

<210> 16078
<211> 315
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-F11

<400> 16078

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agacttccat gcctatgatt ggatttggct cgagcagtgg ntatgcttga tgagctttct 120

tctgtaacct cgtttgatct aacccgtact aaagagtttg atggaattca gaaaaaagct 180

aaagacattt ttaaacatgc aaaangaaca aacaactccc gcctttaacc tcaaaagtng 240

tgttaaggtc cccgctgaat cncnggctaa caatggaaga tatntcncct cacaatctgt 300

naaanaanaa taatg 315

<210> 16079
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-F12

<400> 16079

gggagtcacc ccaaagttta gtttggctcc tcttgtccct angctctccg agcttcttgg 60

tattgaggtc acgaaagctg atgattgtnt tggcccagaa gtggaaagct tggtggcttc 120

tctacctgaa ggtggagttt tgcttcttga gaacgtcagg ttttacaagg aggaagagaa 180

gaacgatcct gagtttgcta agaagcttgc ttctcctagc tgacctttaa gtcaatgatg 240

ccttcggaac tgctcacaga gctcangcct ctaccgaagg atcactaagt tcttgaagcc 300

ttcaattgcn ggtttccttt tgcaaaagga atggactacc taattgggcc gtttcaaacc 360

caaannanac catttcnacc caaannggng ggtccaaatn tccccccccaa ttggg 415

<210> 16080
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-F3

<400> 16080

tttgagctaa ttgaagaccc tatttgatct taagaagcaa tcagctttta gtttaagcat 60

ctagaaactt gaattttgcg aacctttttg gacgcacaca agaacttaat tcgattcaga 120

gagataatgg attttaaagg tataaaatgg gttgggaatg tttatcagaa gtttgaagca 180

atgtgcttag aggttgaaga aattatcgtg caggacacag caaaatatgt tgagaatcaa 240

gttcagacgg ttggtaacag tgtcaagaaa ttctgttcag atgtggttca cgacttgctg 300

cctgatgaat ctgtagattc gggaaaacct ttgcccgttt ctatgttaca tgaatacgcc 360

cctgtttatt ctttcaaaaa aaaaaaagat agtatgaacc ggaaaactaa agatgtgaca 420

caagagcaag angtaactga ngggaagaag gatggatttg ca 462

<210> 16081
<211> 526
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-F9

<400> 16081

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gtccnancaa aatatgggat atggggaccg aagaacacaa cccccggggg gcgttactgg 120

gtcnttggtt aagagtcccg ggagaaatca actccaagga ctcccgggag accttgcatc 180

tatacgaaaa ctcttggaac tcgggattga acccatcata atctctgaca gatggaaaaa 240

attgtcagaa gtcactgtcg agaatctcaa ggctgttggt gtaacaaaat ggaagcatct 300

catactcaag ccaaacggat ctaagttgac ncaagtggtg tacaagtcaa aggttaggaa 360

taaccttgtg aagaaagggt acaacatcgt tgggaatatt ggagaccaat ggggctgatt 420

tggttgagga tactcctgga aanggttttt aagctcccaa atccantcta ctacgtanct 480

tcctaaatta agcatccaan cntcatggca ntgtcccccc tgtatc 526

<210> 16082
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-C9

<400> 16082

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aaaantccca accttggcaa caatctcctc cccttcaagc cgcatttgct aaagggcnag 120

gtttggtcgc ttcgggctgt tagatcaatc cgccattagg gttttctgga aatcatcgac 180

nngccgtgtt gtctttctgt acaaagccga tgcccagact gcttttcgat atgcaacagg 240

aaacaacact ctatttggaa acgtgaatgt aaagtacttt ctccgtgatg tggatgctcc 300

taaagccgag cctcgtgagc cagaaaacac caaggaagat gatgaaccac agagccagtg 360

gttggaccaa gcaccaccgc ttcaccaacc aacattaccg ccaccaaacg tcaacctcaa 420

atcctgtttg aagaaaccag ttgatgaccc gancagttag taacaacaat ggaaacggta 480

accgcgcaac cgttagagtc aaattcatgt tagg 514

<210> 16083
<211> 535
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-A5

<400> 16083

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cgtccgcnca cgcgtccgtt cgtttttctc tctttctctt ctcgtgtaat cttttggtgt 120

tcttgaaacc actttttttt ttgttaattc ctctgtttcc ttggaattgt tttctgcttt 180

tttaagaaga aaaaaacgat gaatgtggtg cggagattaa cgagtattgc ctctggacgt 240

aatttcgttt cttctgataa cgtaggagaa actgagacgc cgagatcaaa gcctaaccag 300

aatcgtgaag aaacagagtc tacggaaact acgtcgtacg agaaagattc tgtctcttcc 360

tcagagaact ctgatcattt accaaaggaa atccgtgagg atatggactg tggaatcatc 420

aagggaaatg gaacagaatc tggacggatt attaccacca aaaagaaggg tttgaatgat 480

caanaagaca agacaatctc ttacaggagc tgaacatgta attggcactg gccat 535

<210> 16084
<211> 321
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-A7

<400> 16084

gcccaancgt ccgcttctct ttgcgcagtc aatttgctac aacttagaaa atggcggcgg 60

ctacttcatc catcgctcct tctctttcat gcccatctcc ttcttcttca tccaaaaccc 120

tttggtcttc caaagccaga accttggctc tacccaatat cggtttcctc tcgtcntctt 180

ccaagtctct gaggtcgctt actgcnaccg tcgctggaaa tggcgccact ggatnctccc 240

ttgccgctcg canggtttct tcgtctgcgg tcaaagcccc tgtttctctc gattttgnga 300

natctgtcnt taaanangag a 321

<210> 16085
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-A9

<400> 16085

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gtgactagtg agtgagagag tatggagaga agtactccgg tgagaaagcc acacacatcg 120

accgcagatc tacttacttg gtcggaagtt ccaccgccgg attctccttc ctccgcttct 180

cgctccgccg ttcgttccca ccagccatcg gatgggatta gcaaagtggt gtttggtggt 240

caagtcaccg atgaagaagt tgagagcttg aaccgcanga agccttgctc agaacataaa 300

atgaaggaga taactggcaa ttgggatntt tttctcgtaa cgaaaaaaga tgatgcgtca 360

aaagccatta ncagtttaac aagccaagca antttaangg tataanccaa gatatcantt 420

tggggaaaaa ggaaaatcca tccnc 445

<210> 16086
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-036-Q1-E1-B1

<400> 16086

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caggaagcaa tcgacacttt catcagcatc accggcgctt ctgacgccgt cgcccttcag 120

aaactcgagg agcatcgtgg tgatcttaat caagcagtga atgcatattt cagcgaagga 180

gatcgaaatg tagtacgtga agcgccggtt aatgatgatg atgaaatgga tatagatgat 240

gtgattccgg ctccacaatc tcctctctct atgttcaatg cagctagaac aattggccgt 300

cctccctttt cgcttttgga ttcggacttt gctagacgtg tatttgatag cgatcctctt 360

atgccacgcc ctccgtttgt tagtcatcct agagaggtta ggcaagatac ctatagaggt 420

taaggatagc agtgggccat ctggacgatc 450

<210> 16087
<211> 115
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-B10

<400> 16087

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cgacggttac aacatcccga tgaccatcgt ccctcanggt ggangagatg ccgga 115

<210> 16088
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-036-Q1-E1-B11

<400> 16088

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aggcctaact cagcagagga ggaaggaacc atggctgaac cctctgtaaa gaagagcaag 180

ttgacggaat ccgattggat aagtggttta gcagatgatt tgctacttca gatcctctcg 240

aaagtcccta cgagggaatc cgttttcaca agccgtatgt caaagcgatg gagaaatctc 300

tggagacacg ttcctgcctt ggacttggac tccagtaaat tccctcatga gtcggacttg 360

gaagatttct ttgatagctt tctgcagttt gatggtaatc ctaagataga gagattcaag 420

tggattacaa cgttgaagag c 441

<210> 16089
<211> 61
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-036-Q1-E1-B12

<400> 16089

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g 61

<210> 16090
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-B6

<400> 16090

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ttgtactctc ctttatcaac cagtttttct ggtacagaac gatgccgttg agtatcaccg 180

gaatctccgc tcagatngcc gtcgtgccgc ttggtcatct catggccaga gtgcttccga 240

caaaaagatt cttggaaggt acnangtttc aatttacctt aaacccgggt tccttcaacg 300

tccaggaaca tgttctgaga actatctttg caaattccgg cgccgggtct gtttacgcca 360

ctcncatact tantgcanta agccttacta cnaacgttct cctcctttcc tccccgcatt 420

t 421

<210> 16091
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-036-Q1-E1-B8

<400> 16091

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tatgacccac caaacccatc agcgtcgtcg ccgtcgtcac tccgccgtct gtcaccgtca 180

tccttcttcc aaacccacca ctggtttctg tgccacctgt ctccgtgaac gtctctctac 240

catcgaagct ctatcttcct ctgtctcagc ttccactgag ctccgccgtg ttcgctccta 300

ctctgttcgt gacgcatccg cttctgtttt ggaccagcca cgacgcagat cgtgtgatgt 360

taggtctaat cacgacgacg atgatgatga tgagctgcta aagagctcga ttcgattccc 420

cattgtaccg gatttgatag aagag 445

<210> 16092
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-036-Q1-E1-C1

<400> 16092

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ttgatggtta cactgtctat aaaggaactt tgtccagtgg cgttgagatt gcggttgctt 180

caaccgccat tttggaaact agggaatgga caagagctat ggaaatgact taccgcagaa 240

ggattgatac aatgtcaaga gtcaaccata agaactttat taatctgatt ggttattgcg 300

aagaagatga accgtttaat aggatgatgg ttttcgaata tgctccaaat ggaactcttt 360

tcgaacattt gcatgataag gaaatggagc atcttgattg gaacgcgagg acgag 415

<210> 16093
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-C10

<400> 16093

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ctngggaatt nggaaaaact ccctctcccc caaccaaaan caanggtggc ttnaactngn 120

actnctcgnc ctccgatttc cctccgcngn ggagaacaag aatcgtatcc tcatcaccat 180

cggcttcttc tctctcttct cggcgggatg ttcgccgtct taccggaatc atcaggtttg 240

agaatccgtc tttctctctc tccggcttcg ttgacctcga ttcatcaacc taagggtttc 300

tcgattacga agagccgtcg tctgtgaagc tcaagaaact actaacgata ttcaaagtgg 360

tcaatgactc gacatgggaa tctctaattc ntaaaagcaa ctggggcctg taattggtcg 420

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tntaacaaaa 490

<210> 16094
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-C11

<400> 16094

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tagaaggagt tgagcctgac gaggccacgg taaagagatt ggttagaaaa ggaaccatca 120

cgggcaagtt tgtgccaatt ctatgtggtt cagcctttaa gaacaaagga gtgcagccat 180

tgctcgacgc tgtggtcgat tatctgcctt cgcccgttga agtcccgccg atgaatggaa 240

cagatcctga gaacccggaa attaccatta tacggaaacc agatgatgac gagccatttg 300

ctgggctagc attcaagatc atgagtgatc cttttgtggg ttctctacat ttgtnaaggt 360

tactcaggga aaatctcagc tggttctact tttgaatgct acaaaggaaa naaaggaaaa 420

atccga 426

<210> 16095
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-C2

<400> 16095

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gagcagatga ttctttggtt gaagcaggtt ttgcccgtga gattgtaaac aggatccaga 120

aactaaggaa aaagtcaggt ctggaaccaa cagactttgt ggaagtgtac ttccaatcat 180

tggacgagga tgaatctgtt tctaaacaag ttctagtctc tcaggaacaa aacatcaagg 240

attcaattgg ctccacttta cttttgtcta agtttaatgc catcacatgc agtcataata 300

gccgatgaga cattcacccc aaaagaaaca tccgatgaga gtgtcaaaaa ggttccaaag 360

ttgtcgtata agataagttt ggctagaccg gctttgaagt tcaantgaag aaggctgttc 420

ctgccttata ctcaggagat tnaaatctgc aaccggggct tcaaa 465

<210> 16096
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-C5

<400> 16096

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aaccttggaa caattgcaag atctggaacc aaggaattca tggaagcact ggctgctgga 120

gctgatgtta gcatgattgg tcagtttggt gttggtttct actctgctta cttggttgct 180

gacaaggttg ttgttactac caagcacaat gacgatgagc agtacgtgtg ggagtctcag 240

gccgggggat ctttcactgt gaccagagac acctctgggg agactcttgg tagaggaaca 300

aagatggttc tttacctcaa ggaagaccag ttggagtacc ttgaggagcg aaggcttaag 360

gatttggtga agaagcactc tgagttcatc agctacccaa tctctctctg ggattgagaa 420

gaccattgag aangagatnt ctgatgatga anaag 455

<210> 16097
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-C6

<400> 16097

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ccggatcaat ttcccaaccg gaaccgcaac caaccacaat ctcgccgccc tcgcggattc 120

gccgctgcag cagcagcagc gtcgatagct ccaacggaaa acgatgtaaa caacggaaac 180

atcgccggaa tcggcggtgg agaaggaagc agcggcggcg gaggaggtgg aggagggaaa 240

gggaagagag agagggagaa ggaaanagag agaacgaagc ttagagaaag acatagacga 300

gcantcacta gtanaatgct cgccggatta agacagtacg gtaattttcc gttaccggcg 360

cgtgctgata tgaatgacgt aatcgctgct ttggctcgtg aagctggttg gagtgttgaa 420

gccgatggta ctacttatcg gcaatcacag caac 454

<210> 16098
<211> 74
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-C7

<400> 16098

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gcctccaaaa gata 74

<210> 16099
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-036-Q1-E1-A3

<400> 16099

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cgattcctct ttcaccacag tggcttctct ccaaaccagg ggagaacaag actgggatgg 180

gaactgggga tcctaatcag tatggaaacc attcggatgt tgtgagaaca acagggaatg 240

gggaggagac actggataat ctgaagaaaa aagatgtttt ccggccatcc ttgcttgatg 300

cagaaagtgg tcgtcgtgat cgttggcgtg atgaggaaag ggacaccttg tcctcagtcc 360

gaaatgaccg ctggcggaat ggcgacaaag actctggtga taataagaag gttgaccggt 420

gggataatgt ggctcctaaa tttggggaac aacga 455

<210> 16100
<211> 528
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-F6

<400> 16100

gnnnngngga antgtntctn tngcccgcnc gtacngtaac canaatcccg ggtggnccca 60

cgcgtccgcg gacgcgtggg ttcgcatcct ccacaagaag aaaattcgat cggtcgatta 120

gtctttgttt gatttcgaaa tggctcgtac taagcaaacc gcgaggaaat ccacaggagg 180

caaagcacca agaaagcaac tcgcaaccaa ggcggcaagg aaatctgctc cggccaccgg 240

aggagtgaag aagccgcata gattccgtcc aggaactgtt gccttgagag agatcaggaa 300

gtatcagaag agcactgagc ttctgatccg taagcttcct ttccagcgtc tggttcgtga 360

gatagctcag gatttcaaga cggatctgag gtttcagagc agtgctgttg ctgctttaca 420

agaggctgct gaaggcttac cttgttggtt tgtttgaaga cactaatcct ttgcgccaat 480

tcacgctaan anggtcacca tcatgcctaa aggatatcca agctcgcg 528

<210> 16101
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-F8

<400> 16101

gcaaaaatca gtttctcttt gagtaagtgt ttattacaat taaactaact caggcaagtc 60

tatgatcatg gcttcttctg ctgctgcatc gatctctatg ataactctaa ggaacctctc 120

tcgcaatcat caatctcacc aaagcacttt tctcggtttc tctagatcct tccataacca 180

aaggatctca tctaacagtc caggtctctc cacacgagca agatccacca cttcctccac 240

tggaggtttc ttcagaacca tttgcagcag cagtagcaat gactactcca agaccaacta 300

agatccaaga gcttaacgtc tacgagttca acgaaaggtg atcgaaacag tccaagcggt 360

tttaaaacta gggaaaaaac cagatcagct tgtctcggag atctggtccc cttcacaaac 420

aaactctaca caggngattt cacaag 446

<210> 16102
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-G2

<400> 16102

ccatatctct ctgtcttgat ctctctctca ctttctaata agatcaaaga agatgtcgaa 60

agctaccata gaactcgatt tcctcggact tgagaagaaa caaaccaaca acgctcctaa 120

gcctaagttc cagaaatttc tcgatcgccg tcgtagtttc cgagatattc aaggtgcgat 180

ttcgaaaatc gatccggaga ttatcaaatc gctgttagct tccactggaa acaattccga 240

ttcatcggct aaatctcgtt cggttccgtc tactccgagg gaagatcagc ctcagatncc 300

gatttctccg gtccacgcgt ctctcgccag gtctagtacc gaactcgttt cgggaactgt 360

tcctatgacg attttctaca atgggaagtg tttcaatttt ccaaagtgtc tcgtaacaaa 420

agctgggggа aattatgaaa ggtcgcctaa tgaag 455

<210> 16103
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-G4

<400> 16103

aaacnaatct ctcttctcaa agttttattt tctctctgcg atggctcaag aagatgttac 60

tgctgttgct actaacggtg ctggtccggt ggagacgcat cttgtcttca ctgagttcaa 120

gcagatgttg ctcgttgaag ctcaaaaggt cggtgacgct gttactttct acaaatctgc 180

ttttggtgcg atcgagtctg gtcattctct ttaccctaag cgtaagcttg accaagagct 240

tcctcatgtt ctctcttctg agcttaatct cgctggctct tccttcgttg tttgcgacgt 300

ttcctctctc cctgggtttt tctactgcga aatcggaagg ttcgggagtg acttttcttc 360

tcggaactaa aggatgctga agcccgcccg ttgcgaaaac ctgttgacgc ccgganctgt 420

gaaantggaa gttacggatg gaagaanttg aactgggga 459

<210> 16104
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-034-Q1-E1-G6

<400> 16104

tacaaatcct actgccgtca aaatcgattc aaagcgaacc agagattgaa tggaagatgc 60

agctgctccg aattcaggat ccgaatttaa tccaggagca agacgcggca aatctatcga 120

tgaatgccaa gacatgattc gtaggagttt ccgaaaccca atagtgaagt ttctgatgga 180

gcaaatggag aaatctgggt gtagagttgg tgataatttc gttaaggctg ttgtttgtac 240

tggacctgta gctggaggtt acactaaagg aagagggata actgtctgca gtaactatct 300

gaccattcaa gatgaagtga accaagtagt tatacatgag ttgattcatg cttatgacga 360

gtgccgagcc aagaatttgg attggactaa ttgtgctcat catgcttgca gcgagattcg 420

tgcaagtcat ccaaaccgtg attgc 445

<210> 16105
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-034-Q1-E1-G7

<400> 16105

gctcgattcg aaaatttcac atctccggaa ttttcatttc tggagaatat tgtttcacat 60

ccctacaatg gcgtctgaga atctgaatga caagatctct gtttttaaga aactcaaagc 120

caaatcagat aataagattt gttttgattg caatgcgaag aacccaacat gggcttccgt 180

tacttacggg atctttctct gcatcgattg ctcagctgtt catcggagtc ttggcgtcca 240

cattagcttc gtcaggtcaa ccaatttaga ttcatggagc tcagagcaat tgaaaatgat 300

gatatatgga ggaaacaaca gggcacaagt ctttttcaaa cagtacggat ggagcgatgg 360

aggtaaaacc gaggctaagt atacctcaag agctgctgat ttgtataaac agatacttgc 420

taaagaagtt gctaaaagca ag 442

<210> 16106
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-G9

<400> 16106

tcccctcaaa cttaaattca cattttaata cttgttactt caactataat aataataata 60

atctttcttc attatatatt ttcctctcct ctcagatctt ctctctcacc atcttctctt 120

gagatcaaga ttgagtattc ttgtctcaag aatcgatact cgagagctct tatggaccaa 180

aatggtcata acgacgaagc agaaacagtt tcatgcggca acggcaactg caaaagcaag 240

atcgtgcctg gagatgatca cggtggagat gagagtagtg gtaccaagag aaggaagaag 300

agaaaaacgc aacanaagac aatgaaacga cgtgaattaa tgtcgtattg tgagctaccg 360

gagtacatga aagacaacga atacatattg aattaataca ggactgaatg gnccaataag 420

aggg 424

<210> 16107
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-H1

<400> 16107

taatcaatac atagctcttt cggcaacgca atttgcaaac acgtcagact cagagctttt 60

ccaatcagcg agactctctg catcttcttt aaggtattac ggactggggc tagaaaatgg 120

aggctatagt gtaacggttc agtttgctga gatacaaata caaggttcta atacctggaa 180

aagtcttgga aggcgaattt tcgacatata tgtccaggga aaacttgttg agaaggattt 240

tgacatgcaa aaagctgcta acggttctaa gtatccgagt tattcaaaga gtctataaag 300

caaatgtatc agaaaattac cttgaagttc atcttttctg ggctgggaaa agggaactgc 360

tgtattcctg ctcaangnac ttatgggcca ttagtctcaa gctatcagtg caactccaga 420

tttcatacct actgttaaaa ataagttgcc ctcnaaa 457

<210> 16108
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-H10

<400> 16108

tgttgaaata gctaacagag atggtgttgc ctgctctgct gtgaaacctc agaaagaaca 60

agaaactgga aatgaagccg agaaaaggtt tggaaaacct atcccaatgg atattagcga 120

aagagcagcc atctcgagta tatcaatccc aagtggggca gaaaacaatc attgtgtagt 180

aggcaaggaa gttttgccag gtgcacatga gattcaagcc aaaccaagcg acaccctcac 240

tgatattcat catgatgtag atagcattga aactgttcat tcgactcagg gaggtgatgt 300

tggcaattcg atagttttgg caaatggatt aaggtcagat tcttctaaag gtactaagga 360

attctgatga tcccgaaggt ccctccagaa atgagaaaga ngaaggtgaa ctgtcaccta 420

atggtgantt ttgaagacaa cnttgggtt 449

<210> 16109
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-H12

<400> 16109

nggtggagaa gccaccgaag ttctatccag ctgaagatgt taagaaacct ctccccaaca 60

ggcgcacggc aaaaccaacc aagctcagag ctagcattac tccaggtaca gtgttgatta 120

tccttgctgg taggttcaag ggaaagagag ttgtcttcct taagcagctt gcctctggtt 180

tgcttcttgt gactggacca ttcaagatca atggtgttcc tttggagacg tgttaaccag 240

gcctatgtga ttggcacttc cacaaaggtt gacatttctg gagtcaccct cgataaattc 300

gatgataagt actttggcan tgttgctgag aagaanaaga ntnaagacag aacgagagtt 360

cctttgaggc tganaaaana nganaagaan gagatccaca ggtgangaaa ngatgaccaa 420

gaaagctgtt ggatgcaacc tttgatnaaa anccattgaa 460

<210> 16110
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-H2

<400> 16110

gaggttcgag aaggttcatt tagtgttagg gttagctctg gttctaactc tggtcggagc 60

tccgaccaaa gcccaaggac ctgtttgcgg tgcaggcctg cctgacaaat ttagcagatt 120

aaacttccct gaaggcttca tttggggaac cgcaacagca gcatttcagg ttgaaggagc 180

tgttaatgaa ggttgcagag gtccaagcat gtgggatact ttcactaaga agttcccaca 240

tagatgtgaa aatcataacg ctgatgttgc tgtggatttc tatcatcgtt acaaggaaag 300

atatccaatt gatgaaagac cttaacactg atgcttttaa actttctatt gcgtggccca 360

aaatattccc ccatggaang atgtctaaag ggaataagca aagtgggaat ccaantctac 420

acgactcatc gatgagcnt 439

<210> 16111
<211> 349
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-H3

<400> 16111

aatgacatca tcgacaaagt ggttagcatg gggttcccaa ctggaccaag tgacnnggaa 60

cagtgagaac attgacatga gaacggtcac actgttgacc tcantgttgt tttatatana 120

ctgatgaatg gagatatagg agctatgatg cancagcagc agcatcaacc gccaagaggt 180

tggtttggng gtcgttanct gtgttgtctc taattccggt ttggctgaca ttgtatacat 240

cttttatctc tcatgtcaga tttcctcgan catatctttt ggattacctt ggtgtttcat 300

ttgtnacttc aagatntttt cacanatcgg ntttttaaaa gggnngccg 349

<210> 16112
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-H4

<400> 16112

nnttngccgg ccgtaccgga acgaaattcc cggntcnncc cacgcgctta aagattcagt 60

caaaaaaaac tttaatcttt gttttcctgc aaaaagcaaa agtgtttctg taataaaaca 120

ccttttttgca gagaatgtta aaagattctc tagttttagg ctttatgtaa aaacgatttt 180

tttgctgggt gttctgtttt tggatctgtg tttctttttt gggaagatcc acccaatgaa 240

accaaatctc acattacaaa atgacaagaa attgtctctt cttcccaata attccaaaac 300

tttgatttag taaaaaataa aataaaataa ctgggtgact taacaaccag aaagattatg 360

tattcttcaa agaagcaatc ataacgcaat tgattatatc cccaaaagaa aaggntttta 420

aactccaaaa atgcagactc caaaatcaag ggcaaggatn aatggagctg ccacaaaaga 480

agtctccctt aacaactccc aaagt 505

<210> 16113
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-034-Q1-E1-H7

<400> 16113

aataaacaaa cactaacaat ggtggtcgaa gaagattcac gtctcataaa tctccaacac 60

aagtacaacc cgacaatgcc cgaggtggtg gaggagctga agagaatttg ggacataagt 120

tttccggtgg ccgccatgag catattaaac tacctaaaga acatgacatc cgtcgtgtgt 180

atgggacgac tcggtagcct tgagctcgca ggaggagcct tagccatcgg tttcaccaac 240

atcaccggtt actccgtcct ctctggttta gccaccggta tggaaccatt atgtggtcaa 300

gccatcggtt ctaaaaaccc ttcactcgct tccttaaccc tcaagcgaac catcttcctc 360

cttctcttag cttctcttcc catatcactc ctttggctaa acctcgcgcc tctaatgctg 420

atgctccgcc aacaacatga tatcactccg t 451

<210> 16114
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-F5

<400> 16114

ggccntctgc aatttctctc cccgacgctg ataaccctag cggcttcaaa ttacagtcgc 60

ttaacgccga gttaggccac cgagtccgat acgaacctga ttcggtcgct gtcgcgaaga 120

tccccgtagt tttccaattt ctggaaagag acgaagaaac ccttttccag atgcaatgcc 180

taatggctga tggagctcta attactttag attccgacga tattttagct acagaacatg 240

ttttagcagt tggtaaagag tttcccgatg tggaaacttg cagaagaact ttgaaagatt 300

tggctatagc tctgcatttt gatcttcgga ttgtgaaatc aagatcgtag tcgattcata 360

gccaaatgct ctaaagaang ttgtccttgg cgtatccatg ctgctaaatg tccangtgtt 420

caagacatta cggttangac gcttaataat gag 453

<210> 16115
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-D9

<400> 16115

attctcagtt tgcggaggag acgacggaga aggaccaagt aacaacaatc accaatcccg 60

gaaaaggcaa cgacttcctt caatcgatga aaatgaagaa gacgccgaga cctccgacgc 120

cggaagttcc ggtgaagaag acgaagacga aactcagaat caaggaatga gaccagaatc 180

tgaggatcga ggatcaacga gcgatgataa gcgatcgtga aagttgtgat tgangagaga 240

cgatttggta aatttgtaaa tagtcagagt tcttcttcna gcaaagattc gnctctttct 300

gtnacgttat tggatccana tgttcttgat tgtcctattt gttgcgagcc attgaagatt 360

cctancottc agtggngata atggncaacc tggcttgtac tttgtgccgc ancaaagtng 420

aggaacaang tgcccgtcgt gttacattaa ncggttg 457

<210> 16116
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-E12

<400> 16116

aagtcaccgt cgtctcccgc agcggcagag aagtcctcaa agctcccctt gacctccccg 60

attcggcgac tgttgctgat ctgcaagaag cgtttcataa gagagctaag aagttttacc 120

cgtcgaggca aagactgact cttcccgtga ctcctggatc gaaggacaaa cctgttgtcc 180

tcaatagcaa gaaatcactg aaggagtact gtgatggaaa caacaactcc ttaactgtag 240

tcttcaaaga cctgggggca caagtttcct accgcacact cttcttcttc gagtatcttg 300

gccctctcct tatctaccct gtcttttact acttccctgt ttacaagttt cttggttatg 360

gagaggactg tgtgatccat ccggtccaga cgtacgctat gtactactgg gtgctttcac 420

tacttcaaac ngattttaga aacgtttttc gt 452

<210> 16117
<211> 526
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-E2

<400> 16117

nnnnnnngaa ntggtctgtt tggcncggcc gggtccggan attaacgggt cgacccacgc 60

gtccgcccac gcgtccgctt cctcttcgat ctctcctgaa tcctcaaacc ctggagagag 120

agagagagag tgacggggga agaagatgac ttctgctttg tatgcttccg atttgtttaa 180

gcagctcaag tcaattatgg ggacagattc gttatccgac gatgttgtac ttgtgattgc 240

aacgacgtct ttggcactag tagctggatt tgtggtgttg ttatggaaga aaacgacggc 300

ggatcggagc ggggagctga agcctttgat gatccctaag tctcttatgg ctaaggacga 360

ggatgatgat ttggatttgg gatccgggaa gactagagtc tctatcttct tcggtacgca 420

nactgggaac agctgaagga tttgctaang nattatccga agaaatcaaa gcgaagatat 480

gaaaaagcaa gcaatcaaag tcattgactt ggntgactaa tgctgg 526

<210> 16118
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-E3

<400> 16118

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ttacttccga ggccatttgt ttgaggaaga atcggtttct accccattct gttgatacac 120

ataagcaaaa cagcaggagg ctcatttgtt ctgttgccac agaatcagtt ccggataaag 180

ctgaagattc caaaatggat gcacctaaag aaatatttct caagaactac acaaagcctg 240

attactactt tgaaactgtg gatctgagct tctctctagg tgaagagaaa acaattgtta 300

gctctaaaat caaggtttct cctcgagtta aaggatcttc tgctgcattg gtcttggatg 360

gacatgactt gaagctactt tctgtcaang ttgaggggaa acttcttaag gaaagggatt 420

acanttggac tcccgccaac caag 444

<210> 16119
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-E4

<400> 16119

nntngngant gtcnagnttg gnncgnaccg gtccgacatt aacgggtnga cccacgcgtc 60

cgcccacgcg tccgcccacg cgtccggagc tacagctgat gtccaaaccg cattgaagac 120

aggattcagt catgtcaaca ttaacacatg gcttgttgtg ctacctcaaa tcattgctag 180

gatacattct aataatcgtg ctgtcaggga actgattcag tctcttctca tccgcatagg 240

cgaaaaccac ccacaggctc tgatgtatcc ccttctcgtt gcatgtaaat caataagcaa 300

tcttcggaga gctgcggctc aagaggtggt tgataaagtt cgccagcaca gtggtgcact 360

cgtggatnag gcgcaacttg tatcacatga acttatcang gttgccatac tttggcatga 420

aatgtggcat gaancactan aagaagctag tcncttgtat ttggtgaaca taacattgaa 480

aggatgctga aagtacttga accttacatg acatgct 517

<210> 16120
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-034-Q1-E1-E5

<400> 16120

gataaatctc tccccgattc tctctttttc tcgctagata ctctttttct tcaattaggg 60

tttcttctcg cttgcctttt aattctctcc agctgatctg atctccgtta ccgatggagt 120

ctactgctaa cgcactcgtc gtcaaggtga gctatggagg tgtgcttagg cgtttcaggg 180

tgcctgttaa agctaatgga cagcttgatc ttgaaatggc tggtcttaag gaaaagatcg 240

ctgctctctt taacctctct gcggatgctg aattgagtct gacttactct gatgaggatg 300

gggatgtggt tgcccttgtt gatgacaacg atctccttga tgttactaat cagcgtctta 360

agttcctaaa gattaaatgt gaacgctggg gtgtccacta aatcctgctg gtncaaaaan 420

aagta 425

<210> 16121
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-E6

<400> 16121

aagtgagcgt gttgatgcat aacgaacgat gccattttcc gcatcaatct catcgccttc 60

ttcttctgtc gcgcttcttc gatcgcctct ctctttcttc atcttcactc ccaaaaccct 120

aatcttcacc agaaccagga tctctggttt cccttatctt gcttcccggc gatcccgcga 180

tttcatcaac gggagggatg atttcgctga cgatacgagg agctggaacc ggaagatcaa 240

accggagtat gggttcgatg aggattacga tggagaagaa gatgatgatg atcacgagga 300

agaagataga agcttggatc tgttacttag atttgtagaa aatgttttca gaaagattct 360

aaganagcaa ngaaagtgtc ccgattaaat ttgcctggtt ccattctcaa cgaagctcct 420

gggggtttca agtgaatgga gtacttaatc ct 452

<210> 16122
<211> 365
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-034-Q1-E1-E7

<400> 16122

tgactctgca acagatcatc aagaggatgt agcaaatggg aacaaagatc cagaggtaaa 60

atatcaggct gccgattctt ggtcagaccc tacaacttca actccattgg tctgtacaaa 120

atccaaacct ccggtgagag atatggacac caagatgatc gacgctcagt gatgtggtat 180

gttacaacat ttgaaaatca gcagagcttt ttagcttaca aagttacaat agtgatgtag 240

atactattac acaatgactt ctatggtaat aaagggtgat tatacgtaaa aaaaaaaaaa 300

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaanaaaaa aaaaaaaaag 360

ggngg 365

<210> 16123
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-E9

<400> 16123

ttttccgccc ctacggtcaa gaattcncgg gtcgacccac gcgtccgnaa acgtagaggc 60

cactggagag gacttttctg tggaaccanc tgattccaga agacctttcc gtgctcntcn 120

tgatgttggn cttatcanga ctaccactgg aaaccgtgtg tttggtgcac tcaagggagc 180

tttggacgga ggtcttgata tccctcacag tgacaagaga tttgctggtt tccacaaaga 240

gaacaagcaa cttgatgctg aaatccacag gaactacatc tacggtggcc acgtctcaaa 300

ctacatgaag ctgttggggg aagatgagcc gganaagttg caaactcact tcagtgctta 360

cattaagaan ggagttgnag ctganagcat cganganatg tacaanaagg ttcangcatc 420

tanccgatca gaaccatcat aagaaaaccg agaaatctgc tcccaanggn cacaacaagt 480

acnacntgan naaact 496

<210> 16124
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-034-Q1-E1-F10

<400> 16124

aattattcan gtgccgagtc aaaattagtg ttgagaattt gctgcttctg atcagtgagt 60

gaagaaagtt tgaagctttg agtaactttg aaacaatgga ggtatttgga aaatctcatg 120

tggttgttgg ctctgctaat gttatttact tatctgctat attgggtcac gaaggaccca 180

atcacaaatg tgattggaaa tgcgagaatg agaatgtgtg tgggaatatg taccgttgca 240

aactaactgg gttgactcat gtttgtgaca agaactgcaa ccaaaggatt ttgtatgata 300

atcataactc tttgtgtcga gctagtggtc ggattttccc gctttctttg gttgaggaac 360

aggcggttaa aggagtgagg angaagcttg atgatgaaga gtcaacaaca accttctgaa 420

aagttgtgtt aaacgtcntc cacgtnatgc tca 453

<210> 16125
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-F12

<400> 16125

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gaagagatgc cgctcggaga nagaggagga tggganagga ccgagtccag atactgcggc 120

gttgagactg atttctccaa cgatgttact catcttctca acttnaacat ttccaccggn 180

ggttttgact atgttctcgc tcctctggng gatccttcgn atangccgag cttggtggaa 240

ggaaatggtg tagatactca ggttcttcca gtctgtggct ctgacttagt cttgtcacct 300

tctcaatgga gcagtcatgt tgttggaaaa attagttcgt ggattgactt ggattctgaa 360

gatgaggtct acggatggat tcagaaacca cattgaagca agaaataact tgggctactc 420

atctctccnt acaggcatgc cttc 444

<210> 16126
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-034-Q1-E1-F2

<400> 16126

ggnngnggag tgtctcttng ntcgccggtc cgacataacg ggtcgnccac gcgtccgttn 60

agttnttttt ttaattagaa acaaatgggg ttgagtggtg ttcttcatgt ggaggttgag 120

gttaagtctc cggctgaaaa gttctgggta gcccttggcg acggcatcaa tctcttcccc 180

aaagctttcc ctaacgacta caaaaccatc caagttctag ccggcgatgg caacgctcct 240

ggctccattc gcctcattac ttatggagaa ggatctccac tggtgaagat atcggcggag 300

aggatcgaag cagtggattt ggagaacaaa agcatgtcgt acagcatcat tggcggagaa 360

atgttggagt actacaaaac cttcaaagga accatcaccg ttatccctaa ggatggtggt 420

agccttctga aatggtctgg gtgagtttga gaaaaacgcc catgaaatcg atgattcaca 480

tgtcatcaan gactttgcng tcaagaacnt caaaaa 516

<210> 16127
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-034-Q1-E1-F3

<400> 16127

aactcctctc aaaatataga acaaaaatcg gctgagtata gaaaaaagac tattttcaag 60

ttcttctcat aaaaacatgg cggcttctga tagtagaaac aacagagcag atgaacctgg 120

ttttgttgtg caacctaaag gagagcatag agtcattata gtatggctgc atgataagga 180

tgagcgttcc tctgattcac ttcagtttgt ggaacaattg aatcttaaaa atgtcaaatg 240

gatatgtccc tctctcgtgt tccccgattc attcataaaa ggagtgggag gtttaggaat 300

gggtgcagca gtagctctcc actttgcaac aagttgtgct cttaaccatt atactataaa 360

tccccgagtt gttgttggaa tcagcgggtg gctttctaat tcggggagcc taaaacgcag 420

tatagaatct gcttcacatg gggctccaac tc 452

<210> 16128
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-D7

<400> 16128

gcgaaacaca aagcaatggg ctcttcttct ccattaacaa ggagaaacag agcaccacca 60

tcctctgttt cctctgttta tctaatcttt ctctgtttct tcctctactt tttaaatttc 120

tcaaacgctc aatcatcgcc ggttttcgcc tgcgacgtag ctgcaaaccc ttctctcgcc 180

gcctatggtt tctgcaacac cgttttgaag atcgaatacc gagtcgctga tctggtcgcg 240

aggctcacgt tgcaagaaaa gatcgggttt ttagtgagta aagctaacgg cgtgactcgt 300

cttgggattc caacgtatga atggtgggtc tgaaagcact tcacggcgtt tccttacatc 360

gggacccggg aacgcaattt ttccnagcca aagtttcccg gagctacgag ttttcccgca 420

aggttatact caacggccgg cttctttaaa cgta 454

<210> 16129
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-B5

<400> 16129

tgtcngccgn tctacggaac gacattcccg ggtngnccca cgcgtcagga aagatctctc 60

tctccttcac acacacagat acacatggcc atcgcgagcg ggtcatgggt agccactgtg 120

aaccaccatg ctaatcccca cagcttcact tctccgacca aacccatttt ctttctttct 180

caaaagcctc acaatttcca tgtctgctcg tctcgatgct ctatggttct tgaggaagat 240

gaaaagaagt caccgagtcc taaagaagac aagtggccat tttttgaacc tggtccgaat 300

gaccttaacc gggtcttatc caggtttctc cgagacccgg aaactcggaa actttcttct 360

gaattctacg agaaagctaa ggagaactct gaagttgaga acgaccaagc atctgataag 420

ttacttggtg agttccaaga gttgggactt gcttgtttct gtttgtgang atnncaagga 480

acattaagca attgctggat gg 502

<210> 16130
<211> 454
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-B6

<400> 16130

attcctcctc tctctcacaa ctatcaccaa caagaatcat gacgagctct gttagagaga 60

agaagatcaa gaccaacggg atttggttaa acgttgctga gaaaggagac gaagaagggc 120

ctttggttct gttactccat ggtttccctg agacatggta ctcttggcgt caccagatcg 180

atttcttgtc tagccatggt taccacgtgg tcgctccaga tctcagaggc tacggtgact 240

ccgattctct accgagccac gagtcttaca ctgtgagtca cctagtcgct gatgtcatcg 300

gtttactcga tcactacggc actactcagg cttttgtggc tgggcatgac tggggagcaa 360

tcataggttg gtgtctatgc ttgtttaaga acaagaccga gttaaaggtt tcataagtcc 420

tccngttcca taattcccaa agagattcaa aaag 454

<210> 16131
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-B7

<400> 16131

ttagtgttga gaatttgctg cttctgatca gtgagtgaag aaagtttgaa gctttgagta 60

actttgaaac aatggaggta tttggaaaat ctcatgtggt tgttggctct gctaatgtta 120

tttacttatc tgctatattg ggtcacgaag gacccaatca caaatgtgat tggaaatgcg 180

agaatgagaa tgtgtgtggg aatatgtacc gttgcaaact aactgggttg actcatgttt 240

gtgacaagaa ctgcaaccaa aggattttgt atgataatca taactctttg tgtcgagcta 300

gtggtcggga ttttccccgc ctttcctttt ggttgaggaa caaggcggtt aaaagggaag 360

ttgaagggaa ggaaagcctt tgatggattg aagaagtcca aacaaacaaa ccctttcctg 420

gaaaaagttt ggttgtttaa anccgtccgt ccnaacgttg aattgcctca agtttcaatt 480

ccctcctcc 489

<210> 16132

<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-B8

<400> 16132

ttaagtattc cacacataca aacacacaca cacacttgac ttttctcata taatttcgac 60

agctcgtgaa ggacaaagac atggagcctt ctcggaggag aatgaccaga gacatgttgc 120

ttctaatcgt aacgatggca tggctcgtaa ccggagacga aggaggcata aagcaagagg 180

agcgactgtt taatcttggg aagcttgaga tgttcgttga caagcttcct catataccaa 240

cacttcatgg ctaccacttc gtcaatggct tcctcaaacc caaatctctt cacataggca 300

tgttcttcaa gaaatggaaa ttccacagag acttgcctgc caagccagtg ttcgcatatg 360

ggtacatcaa aagcgttcaa caacagttcc tggancaaca atagaagctg tttaaggcgt 420

cgacanctac gtgacgtggc gaaatcaact ccct 454

<210> 16133
<211> 53
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-B9

<400> 16133

aggaatactt tctggagatg gtgaagactg ganccaaatg ctgatcaggc tgt 53

<210> 16134
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-C4

<400> 16134

tnnngaangt cngtttgnnc gcccggtccg acntaacggg tngncccacg cgtccgcgga 60

cgcntgggca gagaagttgt ttcaacttac catcatatac ttgcataaga gaaggaccag 120

atcatgctcc aagattcaaa gcttctgtta acttcaatgg tgagatattt gagagtccca 180

cttactgttc tactctcaga caagctgagc atgcagctgc tgaagtttcc cttaatgtcc 240

tttcgtctag agtcccttca aagtctctaa ctgctaagat tcttgatgag acagggattt 300

acaagaacct gcttcaagag acagcacata gagctggtct tgatctacca atgtacacaa 360

gtgtgaagat caggatcttg tcacttccca ggtttctctt gtactgttga acttgctggg 420

atgacgttta caggagaatc agcaaagaca aaagaaacaa gctggagaaa aacgcagcca 480

attgcaacnt gggcctcctt gaagaaaaag tatatata 518

<210> 16135
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-C5

<400> 16135

taacctgggg aacctctaca gacagaaaaa gcagtacgaa gtctcaaagg caatgttctc 60

aaaggcgttg gaactcaaac ctggttatgc acccgcatac aacaaccttg gactcgtgtt 120

tgtggctgaa cgcagatggg aagaagcgaa gtcttgtttc gagaaatccc ttgaagctga 180

ttcattgcta gatgcagcac agtctaactt gcttaaagcc acaaccatgt caaggctctg 240

tacttgcttc tcttcttcaa ctgttgtccg agattcttga tgctctgtaa tacttcttgt 300

ttcgttttgt ggtttcacaa ctctcacatt atgtgccttg aataatatta agtncaaaga 360

ccataatatc gccanaggct ttgaaaacta anagncntat naangntnng tggnnanngt 420

gng 423

<210> 16136
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-C9

<400> 16136

aaacatagtt tcttcttgct tttgagaaaa aataattata tatttttata taggaaaggg 60

ttaatttatt aataaaaaaa aataaaaaga agcagaaaag agataatgca gggtggtagg 120

cttttgacgg tgttggtgtg cctcgcctcc acggtggcgt tggtgagcgc cggtgaccct 180

tacttctact acacgtggaa cgtaacctac ggaaccgccg cgcctctcgg aattcctcaa 240

caggtgattc tcatcaacng ncaatttcct ggtcctaaan ctaaactcaa nctccaaaca 300

aacnaatgtc gtcaatcaat gtcntnaaac aannctccc aacggaggcc ttttccctcc 360

tttgaacctg ggaagttggg gctnccaaac ancaaggggn aagaaactcc aatggggaaa 420

gnattnggtg tttnaccttg gggggaacct ccaaggcccc aaatccccaa accaagggca 480

accaaaacnt ttnaccttta ncaaattttt cgg 513

<210> 16137
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-D1

<400> 16137

gntnnngaat gnctgntggn nntccggtcc gatataacgg gtcgacccac gcgtccgccc 60

angcatccgc ggacgcgtgg gcggacgcgt ggggttcgtt cccaaactct tctccctcga 120

tcgtctccgt cgccgatctc gtttcttcat tttccgcgtg ttgattggta caaaggttta 180

atcaaatggt tggaggagga gttatccagc aaattcttag gangaagctt cactcccaat 240

cacttgcaac tccggttttg tcttggtttt cttcgaagaa agctcatgag gatgctggtt 300

cttctggtgt aaagaacact tgccttgttg ggtgctggtg ttacaggact gttgagtttt 360

tccacagtag catctgctga tgaggcttga acatggattg gagaatccag agtancctg 420

ggnctcatga aggcattcct agctcatatg aacatgcttc gattcgtcgt gggcatcaaa 480

gtttaacann aagtctgtng atcatgccaa tcaattg 517

<210> 16138
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-034-Q1-E1-D11

<400> 16138

aacttttgta atttaaggtt catcaaatac tcagatcttg tctgagaaat taagctgaaa 60

tctgataaat gggtttgttt aaattcatct tcttgttatc tcttctatgg agtttctaca 120

gtttaggctc atctcagcta caagcttcac aagcacaagt tcttcttcag ctgaaaaaac 180

acttagaata tccacaacag ctagaatctt ggtatgatca cagaaccaat ttctgctact 240

tacaagcaac accatcgatg aacatcactt gtttctctaa ttcagtctca gagctaaaca 300

tcttcggtga taagtcatca agaaaaagcc aaaagctttg atggttttgc tatctctaat 360

gttactttat ctgatggatt ctccattgaa tcatttgtca ctacactgtc aaggctaaaa 420

tctcttaagg t 431

<210> 16139
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-D3

<400> 16139

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aatgggtctt gtttactgcg acgtcngctc caacaacagt ttctccaatc acagctattt 120

cattcccggt gtggaagtga gaatantctg cagattcaat tcagcttcat cnanaactac 180

anagatgatt acgttctctg caaatcgaan cacaaatgag cttggactct acaagctana 240

cataacgtct ctggaaggcg ttgcttgcgc cgctgaagca aanaaagatc tctaatggct 300

tcctgtcaag caagcttgat cggtangtcc aaaagattcc tgcaacgttc ctgggcntca 360

agaactacaa cggagcaagt ttgtgtttaa agttcaaaga tatcctaatc tcngtgtcca 420

angggttta acngcgttaa a 441

<210> 16140
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-D4

<400> 16140

nngngaatgt cngttggnnc gccggtccgg anactaacgg gtcgnccacg cgtccgactn 60

attgttcaaa agagacttct gatgcaactt tgggatctga agaaaaccaa caagataagg 120

atcatcaatg cctcgacaag aaaacagcag atgtacaaga tacaatgata gaggaagatg 180

acattactca tgaagctcca agtttcgacc caaaccaaaa ggaaaatgca gaaatggaag 240

aaaatcacaa caattttgtt tatgctgatg atgaagctgg ttctgatgtt aagaccaatg 300

gtgtgaaacg aaaggctgat gtcctgagtg aggattcacc aggagaaggt aggaagactg 360

tttcattcgc caaggtgtct tttgccgaaa ggccgtcctt taaaattggt gcatgcataa 420

ccagggctgc aagtcagatg gcaagattcc cctcagtttt gaagggtaat aactttggtg 480

atgaaactcc ttccngtgaa aatttggtan ccaa 514

<210> 16141
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-034-Q1-E1-D5

<400> 16141

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tttttcctta acgccgtttg attcccttac ggcctttgag gtccaggaga tagcaaattt 120

gttggtgagt actgaaaaat ggaggaagag aacgaagtag tgaagacgtt tgcagagctt 180

ggtgtgcgtg aggagcttgt taaagcttgc gagagattgg gatggaagaa cccttccaaa 240

attcaagccg aagcccttcc ttttgctctt gaagggaaag atgtaattgg acttgcgcaa 300

accggttctg ggtaaaaccg gagcttttgc aattcctata ttgcaagcac tacttgagta 360

tgtttatgat tctgagccta agaaaggacg tagaacggat tctgctttcc tcgcttgtgt 420

tttaacctcc aactcgagaa cttgcaatcc a 451

<210> 16142
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-D6

<400> 16142

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tccatctccc taatccgtcg aaaccacatc gatcatcgtc taccgttgat cgttccaagt 120

tccaggcggt ggattatcca agcggcgaga tcctgggatg gatttgacga cggagctgag 180

gcggagatta agaagccagg cgcgtatggt tacgcgatcg gcgataacga agatcgaagg 240

gagcagtagt agtactgtcc atgtgatcga cggagagcat gttaagacgg cggagatagt 300

gatatgggcg gcggttacgg cggcgtttgg cgtcggaaac agagtgatgt ataagctcgc 360

gttagttcca ctcaaggagt atcctttcct ccttgcgcaa ctctccaacn tccgggtaag 420

tanctgtata ttaa 434

<210> 16143
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-B4

<400> 16143

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caagaaaggc gtgtgttcat tgttgaatct tcccatttcc tcatccaaat tccgacataa 120

ctatcctagc cgccatttgt tctccacatt acaaaaccct cagcagcttc aaaactcttc 180

cgatctctcc ctcacgctcg caattctctc gtctccattt taatagtttt tcttctcgga 240

atcacaaatc ttcggcttcn tgttccttgg cgtgtgtgtg tgttgttgaa tggctcttgt 300

tcancggatt ccaatttcct cctccagtat tcggaattgg caacaaagcg aggaccaatt 360

tgactcctan ttgttgttta cattacaata ctgcatcttc ntcntcgtca acctttanaa 420

gagaagcact ctgtggagag atancaaagg gatnaatggn tgtacaaaan cgggntgaan 480

caacgccaac atcgannnca tctccatcgc ca 512

<210> 16144
<211> 346
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-H9

<400> 16144

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caaaatggac aacctcagta cccacagcag caaatgatac ctggtcagca gcagcagcaa 120

atgatacctg gtcagcagca tcctaggcca gtttattaca tgcatcctcc tccttacccg 180

caggacatgc catatcataa taaaggacga gagtaataac tactactacc cgatggtgat 240

gatgtttttt ttttttgtga aggaagtgta cgaacccctc tctggtttta tccactctcc 300

cttacccaat cactgaaacc attttcttct caaaaaanaa nnngnt 346

<210> 16145
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-A10

<400> 16145

gnnnnnngan tgttctttgg cccnccgggt ccggaataac gggtcgncca cgcgtccgan 60

aaaaacatna ctagctcaca naaaggaaat catattttga tttaatttgt agtgtctcta 120

atggcacggt ttgagccata taactataat aatggtcatg atcctttctt tgcacacatt 180

aaccaaaatc cagagctaat anatctggac ttaccagctt ctacccccttc cagtttcatg 240

cttttctcca atggngcttt agttgatgcc aatcacaata attctcactt cttcccaaat 300

ttattgcacg gtaatacgan aagaaaaggn aataaagaag agagtgggtc gaagagaaga 360

anaaagaggt cggaaganga agaagccatg aatggagatg agactcagaa gccaaaagat 420

gttgttcatg tccgagctaa gagaagtcaa gctactgata accataattt ggctgaaaag 480

ggtccgaann gacaaagatn aattgaaaag g 511

<210> 16146
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-A12

<400> 16146

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aaattagtca accgaaaccc caggcttcct tctccttcac ccgcgcgtca cgccgctcca 120

tgtagctacc tcctcggccg cgtcgccgag tatgcgacct cttcaccggc aagctctgct 180

gcgccatcct ctgctcctgc taaggatgag gggaaaaaga cctatgatta cggtggcaaa 240

ggtgcgatcg ggcgtgtttg tcangtcatc ggtgccattg tcgatgtgaa gattcganga 300

tnangaagga tgcctcccga ttaatgacat ctcctgaagg tttaanggat naatcccaac 360

aaaggctggt ggccttgaan ggtgtcctca atcaantttg gggttcaaaa aatgttcgtt 420

taaggaacca anttgctaat tggaattggt aacctgaaag gggtccttgt tccgnt 476

<210> 16147
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-A2

<400> 16147

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cgagcatgtg tcggaaaatg cctgcaaggt ccaaagcgag acgctacgaa ggattcttga 120

gctcaactcc ggagtggagt atctgaggaa atggcttggg actgttgatg tagaaaagat 180

ggacgattat actttggaaa ctctctttac ttccttggtg cctattgttt cacatgctga 240

tttagatcct tatattcaaa gaattgcaga tggagagact tctccattac ttacacaaga 300

acccatcact gttctgtccc tcaactctgg aacaacagaa gggagacaaa agtatgttcc 360

gtttactccg ccataacgcg caaactactc ctcaagattt ccgantatca accggcttac 420

agatnaaagg tttatccaat aaagggaaag 450

<210> 16148
<211> 339
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-A3

<400> 16148

nnnnnnnnnn gnaactgttt gtntggcccg gcccgntccg gaaattaacg ggtcgaccca 60

cgcgtccggg tgagctaaga gcttgaagaa gtcaaaagta tccatattga tgcctagctt 120

cggtcctcgg tttaggctag gaaggaaacg aagaagtttc tgcaaaccga tgcagatcat 180

caatggaata atgaaatgtt aattttatca tttactcata taggtttccg cctcattatc 240

atttacttga tgtttctcct aaatcttgtc atttaattga ctaaggaaat aacgaagaaa 300

ttatcattta cttaaaaaaa aaaaaaaaaa aaagggcgg 339

<210> 16149
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-A4

<400> 16149

gnnnnngaan gtctgtttgn ccgccggtcc ggacataacg ggtngnccac gcgtccgcac 60

anccattaat tctgctgctg caaattctat cgaactggtg agttttgtta atctctttcc 120

tcgttcgtcc ttgtctgtat atcagatcga tctctattac cgttttagct tgttcttgat 180

ctttgtcaac ataaaaacaa tcaaacaaag tttcttctat gagttctggt ctgaacgaag 240

atttcctcga ttgtatcgtg cgtttagagg agacacatgt tcaacaaggc ttcgatgagg 300

gttacgaaga aggtcttgtg tccggtcgtg aagacgctcg tcatctgggt ttgaaactcg 360

ggttcgagac aggcgagctg attgggattc tacagaggtt gctctgctcn ttggaattca 420

gctctccgta ttgattctac acgcttctct cctcaactcc ataagcatct caatgatttc 480

catgtcctgc tcgataaaat cccgcttttg 510

<210> 16150
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-A8

<400> 16150

ntgacacctt tggctgagcg agtcagcttt ttgacagagc aactagcttt ctacaccggt 60

cctacattgg gtggtctatt gaacgcaacg tgtggaaacg cgactgaatt gataatcgcg 120

attcttgctt tgaccaataa caaagtcgca gtggtgaaat attcgctgct aggttcgatt 180

ttgtcgaacc ttttattggt tctagggact tcactcttct gtggaggaat cgctaatatc 240

cgaagggaac agcggttcga ccggaaacaa gccgatgtga acttcttctt acttctactg 300

ggtttcttgt gtcacttgct gccattgttg gtgggatact tgaaaaacgg agaggcttcg 360

gctgctgttt tgtccgacat gcaactgant atatcgcgag gcttcagtat tgttatgttg 420

atcagctaca ttgcatatct tgttt 445

<210> 16151
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-A9

<400> 16151

tgttgncctа ccggtccgan atcccgggtc gnccacgcgt ccgggaaaag ccaccgcagc 60

tgacagagga tacattaagt acaaagatcc taaagtagcg gtcgaagaaa gagtagaaga 120

cttgctgata cgtatgacgt taccggagaa acttggtcaa atgtgtcaaa ttgatcggtt 180

caacttctca caagttaccg gtggtgtggc cactgttgtg ccagaaatct tcacaaagta 240

catgatcgga agtgttttga gcaatccgta tgataccggg aaagacatag caaagcggat 300

attccagact aacgcgatga agaaattgag tccttcgacg aggctcggga tccctctgcc 360

ttacgccgtt gacnccggtc atggncacaa tactttaatg ntgncaacca attttccccc 420

aaaatgtncg gncntggggg cncccangga ntccccactt nttnaaaaaa tttngggcan 480

aaaccnnccc aggaatttan g 501

<210> 16152
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-B2

<400> 16152

angagatcgg agacatggcg gagagtcacg gtggtggtgg tggttgctgt ccgccgatgg 60

atctgatgcg gtcagaaccg atgcaactcg ttcaagtcat tgttcccatg gaatctgctc 120

atcttaccgt ctcttatctc ggcgatctcg gtctcgtcca gttcaaagat cttaattctg 180

agaagagccc atttcaaagg acttatgctg ctcagataaa aagatgtggg gaaatggcac 240

gaaaaatacg tttctttaaa gagcaaatgt caaaggctgg agttactccc aaagagaccc 300

tagatagaga aaatgatatt gatttggatg atgtanaggt aaagcttgaa gagcttgaag 360

ctgaacttgt tgaaatcaat gctaataacg acaagttgca gcggtcctat aatgaacttg 420

tggagtacaa gctccttcct nganaaagng 450

<210> 16153
<211> 522
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-B9

<400> 16153

ngnnnnnnng gaantgnntg cttggcccta ccggtccgaa attcacgggt cgacccacgc 60

gtccgggttt acctcccgtt cttgaagctt ccactgcgtt ttaccatctt ttatcattcg 120

ttgattcgtc tctccatagt catttagtag aactcggagt tgaacctcag tactttgggc 180

ttcgctggtt acgagttttg tttggaagag agtttttgct tcaggattta ttgatagtgt 240

gggatgagat attctcagca gataacacga cgagaacaga tgcggataac aatacaaacc 300

agagctacaa gatctttgat tctcctcggg gagccctaac cccgggaatg ggaantttca 360

atgatattaa ggttnaagat taancattgg cttgcnactg gaaaacgcag cttctggtct 420

caagaaacta ttgaatttcc aaaagaaaga ttgatgtnaa ggagatatag agaaaagcta 480

agtcattaca aactttggct ttgggtgaag aagtacgata ac 522

<210> 16154
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-C1

<400> 16154

ttagtttctt tctactccat ttcttgattt tgtggtgttt cgtttagaaa tagaaagacg 60

aaaacagaaa ttagggtcaa acaaacttgg accaagagta acttttttttg tggaaatttt 120

tgtactcaga ttatttatca tgccgttatg agatttctct gaaactgagc tatttttcag 180

gaatctgagt ttcgatttca ctgagatgtt cgactcctac tctctttatc ccaccggaaa 240

actatctccg gtggttgatt cgtacgtcac cgccgagctc gacggcgaaa gatatgagag 300

acgactacgc gtttttaaaa gccnggttta aaagacaaca aatcccagtt aacccctaag 360

caaaacgcat cctaatccgn gaagacccnn atcaaagaga atccnagatt taagcctcct 420

aacggctng 429

<210> 16155
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-C11

<400> 16155

ncttcttctt cttctctctc tctctttctt cttcgtcttc gatcacagaa gacagaattc 60

aatgtcgtcg acctacaagc tcaatcacac tgattcattt gcaaatggag atgcaaagag 120

tttgttgccg aacccagaga atggtttcac tcatttgact tcacttgctc aatcagagaa 180

ggctgttcag gagcttcttc ttcaacagac tcctatgcag gctactgacg accatctcgt 240

tgagttctct gaggctttga gaactgttgc aaaggcacta aggggagctg ctgaaggaaa 300

ggcgttggct caagctgagg ctgctgaatg ggaagcgtag atacgagttt agaagaaggg 360

cctaaagaaa cgtnggagtt tgcaagcata aaagaaactg gtcaaaatgg gaantgttgt 420

tgnccgaatg naatcctaaa tgggtcaaaa agggatngga gcaactttag cnaaaagttc 480

tccc 484

<210> 16156
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-C12

<400> 16156

ttttttttcan gatttctgat aatcagacag acagacacaa acaaacaccg gtatcgacga 60

acggaactaa ctccgatatc caaaacccac tccaagtttc acgaacgaag ggcttagtat 120

ctgccatggc tcctgatgct tctactgctc ttgcagcgag ggagaaagtt cagcaaatcc 180

tgaatgcagc ttgtaccgga aatctcgaat tccttaagaa tgttgctaag cagcttgatg 240

aaggaaaaga cttgacgaaa actgtggaga gtattaaaga cgcaaacaaa cgtggagcgc 300

ttcacttcgc tgcgagagaa ggacaaactg aaatatgcag atatcttttg gaagaactga 360

aactcaatgc tgatgcaaaa gatgaaactg gtgatactcc gcttgttcat gctgcgaagc 420

aagggacaga ttgaaacggt taagtatcct t 451

<210> 16157
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-C5

<400> 16157

cttattgtta ggtttggggt cacaaaaaga tcgcctttgg tttcggtgtt acctcaatgg 60

ttctggcatc agaatgcctg caaggttttt gaacaagaca tggggtttct atcgtctcaa 120

aatgaggttc tgatgaagga gaaagtacca actaaggact tgtatttgaa tctaaagtca 180

tcggacacat gggtcgctga atatagaaag tggatggnca aagttggtca tgggatgcct 240

taccatttcg ggcataggac catatctctc cccaaagtcc ctccctgtcg tggaacatgc 300

cccggcaagg gctcaaatgc aactctctcc ggcttcctaa ncctgcaaaa aggcnngaan 360

ttggaactaa ancaatgctc cccaatttgg ctaaccggta cttcangaca atatantcat 420

tgtaaaanct gcanaatgtn attaantctt 450

<210> 16158
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-H7

<400> 16158

gaanagcaac tggggcttac agtcatagcc agggtatcaa gggtttacgt gatgtaattg 60

cagctggaat cgaagcacgt gatggtttcc ctgctgatcc aaatgatatt ttcttgactg 120

atggtgcaag tccagcggtt cacatgatga tgcaacttct cttgagctca gagaaagatg 180

gtattctttc cccgattcct cagtatccat tgtactcggc ttcaattgcc cttcatggtg 240

gatctttggt tccgtactat cttgatgaag caacaggatg gggactggaa atatctgacc 300

ttaagaagca nctagaggaa gctangtcca anggcatctc ctgttaaggg ccttggttgt 360

cataaacccg gtaacccaac tggggcaagg ttcttgcggg aagaaaaacc aacgtgacat 420

tgttaatttc cgcaagcaaa aagggtttgg tccttttann ctgaaggaa 469

<210> 16159
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-F6

<400> 16159

ggtccatcaa ctaccccaac tgcagaagct ggacagtccc tctttctcta agagttcggc 60

ttcgttccca aagatggtgt tcgattcgag gagttcgatg agccctggaa cggatgccga 120

agactggacg tgggagaccg tagcggccaa gagcaagagt agtgaaagtg ggactgtcca 180

tcaactaccc caactgcaga agctggcacc ttggtgttga gacctctaac atcataaact 240

tcgacacggt gcccgcaaat tgcaaagcct atgttgaaga ctacttgatc acttccaaac 300

agtaccaata cgactccaaa actgtaaaca aagangcata tttttacgcc aaaggacttg 360

ccctaaagaa cgataccgtc aatgtttggn tntttgncct aaacgaaaat ctcctcncna 420

gtattcccta ctacgccaaa tatggtag 448

<210> 16160
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-F8

<400> 16160

aaacctctct tctcctccgc cgtagacact tcccgtctct tcctcaccgt cgtcaacaac 60

tgtcccttca ctgtctggcc agccattcaa cccaacgccg gccaccccgt cctagagaaa 120

ggtggcttcg ctctcccaac tttcactcac cgctccttca acgttccaac cacacactgg 180

tccggtcgca tctgggccag aacctggtgt gcccactaca acggaaaatt ctcctgcctc 240

accggagact gcggaaaccg cctggaatgc aacggtctcg gcggggcacc accagcttct 300

ctagctcagt tcgacctcca acacggtggt caacacgact tctcctctta cggtgtctct 360

ctcgttgacg gttacaatgt tccgatgaac gtnaatcctc aanaaaaggc aaggngtcgt 420

cctgtcgttg gntgtcntna agattcaaaa aaaaagg 457

<210> 16161
<211> 216
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-F9

<400> 16161

gcagcggcgg cggcgttagg cttcacgtcg gcggattagg agaaagcgtc gggagagatg 60

atcttctcaa gatattctct ccgatgggta ccgtcgatgc cgtcgaattc gtcaggacca 120

aaggtcgttc ctttgcctac atcgatttcc cctcaacctt caacaattna atcaacaaag 180

cncttctcna catanaatgg aatttnncng gaaagg 216

<210> 16162
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-G10

<400> 16162

aattcacctg agaaaaacaa tatcaatcgg ctcgttttct ctcctcagtg tttcttcagt 60

agtcctgcga gatcgtataa gagattcgaa accctaatct atcaatttga tcctgtccat 120

tctctgtgta atattgtttg agaattgtgc aatccgatgg ggacgatgca ccggagtggt 180

gctcccaaaa ggncaaatga aaatgcgaag cttatcataa cgacaatcgt gggagtggtg 240

tttggttttt ttgttggtat cacattanca ttangttcct ttagaaagat tagcttanct 300

tcaaggcnta agtcatctcc tgatgtancc atgtcagatg ggaaattttt ttccgggggg 360

nagattacct gaagatattg gtcaagaaan tcncctaaga tatatgttcc aaccaatccg 420

catggtgcag aatactcctc c 441

<210> 16163
<211> 354
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-G2

<400> 16163

cttccttttn ncacanctct cttcttcaaa ttcaatcatc atnaannteg aatctttatt 60

cttcagagag cttcaanggc gancacatca tcaaacccat tactactttc ttcaaatttc 120

ctcggttctc aaattataat ctcagctcca acaccaaaaa ccacnacnaa gtctcttcct 180

ttctcagtaa tctctcgaaa aagataccaa atttctcaat cggagaagct aatgaantcg 240

ttacatcaca agctgcgtta gcaagctctg ttggtcgcat cttcatctca anaagctttn 300

gcagttaacg aaccagttan acagcagnaa caancattac tggctggaag ctca 354

<210> 16164
<211> 86
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-G3

<400> 16164

naccgaagaa aagtagattg aagatnggag agtcctctgn tttctttaca tatgtcaaat 60

ctactgtcct tagaactaan gggtca 86

<210> 16165
<211> 531

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-G4

<400> 16165

nngggggnngn aactggttnt ctctgccntg ccgtccggaa atcaanggtc gacccacgcg 60

tccgcccacg cgtccgggct tctgaagata ctctctcctc gaatcctcta ttgcagaatt 120

ttgacttccc tccgtttgac tccgttgatg ctcaccatgt cagacctggg attcgtgctc 180

tgttgcagca gctcgaagct gaattggagc acctagaaaa aagctgtnaa gccttcatgg 240

gccaaaacta gtggagccat tagagaagat tattgatcgg ttatctgttg tttggggaat 300

gatcaatcat cttaaggctg tcaaggacac acctgagctt cgtgctgcca ttgaagaagt 360

tcagccngga gaaggtgaan ttccagctca aggttgggac aagagcaaaa ccccatttac 420

aatgcattta aggntattcc aagaatctcc agactggaat tcattgancc aaanccgtca 480

acgattaatt naancccaat aaaggagcgg ttctaaatgg tattgcccct a 531

<210> 16166
<211> 53
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-G6

<400> 16166

ggcggggttc atttgtgtta tgggaaanca aganatgttg attgccgaat tgc 53

<210> 16167
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-G7

<400> 16167

tgttttcttc atctccacaa agataactaa atccgatctc gtcttcgcaa tcatcaacca 60

tcaatggaag ttgaagaaga agttaaacaa atcatagatg aggtcaaaga gcttcatgac 120

tccgccgctt ctttcatctc atcttcttct caacaagagc tctctctccg tcaaaaagcc 180

tccgccgttg attcctctat ccgtcgtctc cactctacta tcgtctccaa caaaaatctc 240

gatcctaagc tcgtcgaaaa gcttgaggaa gatctgcatc gtgctagatg catgcttgtt 300

gacggagaaa catcttcatt tctcccatcc aaaccacaaa ggacgctttg tgagaatgtt 360

ttgtggacct gtgaatgttc gagctttgcg taaagatgtt cancttaaag ttaaagaaga 420

atacaatcgt tacagagaca anatgcc 447

<210> 16168
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-H1

<400> 16168

ggatnctccn tctctccgtc agacaaatct acgaacaagc gagcctgagc ttaagaccaa 60

actcatagag atgggtttct tctcttttct tggaatagtt ctcttcgctt ctctctttan 120

cctctccgct tggcaaatgt tcaatgatgg tggtcctgca gctaaagaat tggctccaaa 180

gcttgatttg gttaaggcac atttatcttc tagattagga gtaacattgc ccaaaataga 240

ggtgagacaa gtcgttgcta ctattattgc cctgaaagga gtcggaggct tactctttgt 300

tatcggaaac accttcggtg cttatcttct ggcttcctac ttggtggttt tcggtcctat 360

tcctcctatg atttccacaa actacgggac ctcaaggaac gtcaatttcc ctccttccgg 420

ttgaacaaga agttccttgc aaganncgtt tgcaactccn tttgggagcg tttactcctt 480

cntt 484

<210> 16169
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-H11

<400> 16169

actccactgc gccgttccgg gattcgttga gagcaaaatc cgatggattg gctcgggcct 60

atgttaccgg agcgccgcct atcgtggaag aaccagaccc aaagattgaa gaatccaaat 120

ctgaggctga atcgaaggat ttaattagtt gggggcttct gtggagcttg atgagcaagc 180

acaagctcag gctcagtgtt tgcttattga ctctccttgg atgcagtact tgcactctct 240

ctatgcctgt tttttctggt agattctttg aagtactgat tggggtgaga ccggagccct 300

ttgtggcggc tgctgaacaa aaattgctgt tttgtactcc gttgggaacc atccttaact 360

aatgcctttg tgaccaacaa tgactggcta tcctggggaa aaaacgttaa tgggaataat 420

aaagangctc aaaatttttc aagaaagggg tttttgattc a 461

<210> 16170
<211> 522
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-H2

<400> 16170

nnnnnngaan tgtnttgtcc gcctgntcta ccggaccgac attcncgggt ggnccgtccg 60

cggacgcgng ggttcgtctt tcttcctcag tcgccctaca atggctttgc ctttgtctgg 120

cacgcgccac ctcacgcgcg ctctcctctc taatgtcact cttatggctc ctcctcggat 180

tccttcctct gttcactacg gtggatctcg gttaggttgt tcgacccggt tcttctcaat 240

tcgatgtgga gctaaccggt caggttctac ttactcgccg cttaactctg gctctaactt 300

tagtgatcgg cctccgacgg agatggctcc tttgtttccg ggatgcgatt atgagcactg 360

ggcttattgt tatggataaa cctggcgggg aangcgcgac taagcancag atgattgatt 420

gttacattca aaccctagcg aaatcnttgg gaagtgagga aaaaggcgaa gaaacgaatc 480

tacaatgttc atgttaaaag gtattaaggt ttggttgtta aa 522

<210> 16171
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-H3

<400> 16171

agaagaagat cttgcagagc tagcacgtgc tacagaggag ctgaaattga aacaagaaac 60

tcctgaccct cctgaagcat tgagatgtgt cccaagtttg aacttgggtg acattccaaa 120

agaacctact tatgttccca ccgaggttgg agatattaat ggtgtgaagg ttttgcggca 180

tgacctttc accaatgata ttatctatac tgaagtagtc tttgatattg gttcgctgaa 240

acatgagctt cttccactag taccactttt ctgtcaatca ttactggaga tgggcacaaa 300

agatttgact tttgttcaac ttaatcagtt gattggaagg aaaacgggaa ggatatcagt 360

ttaacccctt acatcatcag tnaaggggta aaggatgaan catgcaagca aaattaaccg 420

tacgccggaa atccaaggnt gggccttcct gaacgaacnt ttttaac 467

<210> 16172
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-H5

<400> 16172

tgggtgttca tggtgacggc gcaaactccg acgaacattg cggtgattaa gtattgggga 60

aagagagatg aggttcggat tctccccgtt aacgatagca ttagcgtaac tcttgatcct 120

gatcatctct gcacagtcac cactgttgcc gttagtcctg cttttgatcg ggatcgaatg 180

tggctcaatg gcaaggaaat atctctttct ggaagtaggt accaaaattg tttgagggaa 240

atacgangtc gtgctggtga tgttgaagac atggaaaagg ggatcaagat aaggaagaaa 300

gattgggaga aattgatcta catattgctt ctcataataa cttccctact gctgctggct 360

tancatcttc agctgctgga tttgcttgcc aatttttccc tt 402

<210> 16173
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-H6

<400> 16173

ngcttgccct gntctaccga nacgacaagc tggcctggcc ccacgcgtcn gctcatctct 60

tcttttcttc atcgtctttc caaccttcac gttttcctcc accttattgt ttcagagttt 120

caattgggag tcatggaaga aagaaggagg attctacaat tctctccaca actccattga 180

cgacatagcc aacgctggaa tcactcatct ttggcttcct cctccttctc aatccgttgc 240

tcctgaaggt tacttaccgg gaaagctata cgatctaaac agctccaaat acggttcaga 300

ggcggaactg aaatcgttaa tcaaagcgtt gaatcaaaaa ggaataaaag ctttggctga 360

tatagtgatt aaccacagaa cagctgagag gaaagacgat aaatgtggat actgttantt 420

cgaaggtggg acttccgatg attgtccttg attgggatcc tcctttgtcn gccgcaatga 480

cctaaatttc ccggtaccgg aaacctcg 508

<210> 16174
<211> 535
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-F5

<400> 16174

nggnnnnggn ngntttgtct gcctgggtnt accggaacga ctattcccgg gtngacccac 60

gcgtcaggan aaagctcttt gttcatctct ctatcttctt ctccatcctc ttcatcactc 120

tcccatcttc ttacagctgc accgaaaatg acaagaatgc cctccttcaa atcaagaaag 180

cacttggcaa tcctcccctt ctatcctcct ggaacccccg aaccgactgt tgtaccggct 240

ggaccggcgt cgaatgcact aaccgtcgcg ttaccggtct cagcgttacc tccggcgaag 300

tctccggtca gatctcgtac cagatcggcg acctcgttga cctccgtaca ctagatttca 360

gctacctgcc acacctcacc ggaaacatcc cacgcacaat caacaaactc aaggaacctc 420

aacactctct acttgaagca aaataantct ctccggtccg gattcccgga tnnnataagn 480

gaagctcaan nancctcaag nttcttgggc cttttcttta accaatttta cgggg 535

<210> 16175
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-D4

<400> 16175

gaggagctaa taataatatg gctgctttga agatgactat ctcttgtttc ttgtttcttc 60

aagtaatata ttgcttgctc tcttcatttg ctccaacaaa tgtgcaagga ttgaaagttg 120

gattctacga caaggcatgc cccaaagccg agcttattgt caaaaagtct gtcttcgagg 180

ctgtgaagaa tgatcggaca attgcagctc ctttgctcag gatgttcttc cacgattgct 240

tcgttagggg atgcgaaggg tcggtattgc tagagctaaa gaacaaaaaa gatgagaaaa 300

actcaattcc taacctcacc cttcgaggat ttgagatnat agacaatgtc aaaggaagct 360

ctagaaaang agtgtccggg caatgtttcc tgcnccgatg tattggccct tgtcccaaaa 420

accaatggtn cgcccatgga cctcttggaa g 451

<210> 16176
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-D6

<400> 16176

aaaaaaaaaa aaaacgctcg cctacttctc ttctctctca ccatagagat agtttcaagc 60

tccaaaagtt cttcaatcag attctggaaa ctaggttgtt ggtagaagtt atggtgagaa 120

atgaagctta gattgagatt taagttatgg gttgtgtatt tggccgagag gcggcgacaa 180

caacaacagc tgaagctaaa caagctaaga gctctaaagc tagtagtgga gtagtagtag 240

taggagagag tagtgtgact aagagtaatg gagttattgc tgatgatgta nagaagaaga 300

agaatgagga ggcaaatggt gataaagaaa ggaaatcatc caaaggagat cgaagaaggt 360

cnacaaagcc gaatccgcgg ttgantaanc cttcaaagca ttggcntggt naanaggttg 420

ctgccggttg gccttcttgg ctttcagacc ttgggggg 458

<210> 16177
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-D9

<400> 16177

nnnnnnnnnn gttntttgcc ggcctaccgg naaggaaatc ccgggtcgnc ccacgcgtcn 60

ggtttcgtgg tttatcgggt gacactttgg tgagagggag agtatttgtg aaagaaatca 120

atggatttag attttgatga tcaaccctcg gatcatgctg caccagcagt tagggctggt 180

gcaaggttta aaccaaaagg cagaccacaa cccaagaaga agcaagtctc tctttccaca 240

acccaaacaa cactctcccc tgatgttgcc caggaaaaac tctcaacaca aagtgaagat 300

ctcgtccctc tagacggatc atcggagatt cccagcaatg ctttaccttc tgagactaat 360

gtgccggata gtggaagtat taacaaaatc taccattgga acattatcag aagaagatga 420

agatgcattc ccaaagangg gttcantggt cctgtgaaac catctattct tccgtgcntg 480

taataaccgt gaatttggtg ggaaataaac gt 512

<210> 16178
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-E10

<400> 16178

gcaagatctt agtgacggat cctgattcag tgttgggtcc tctcacccgt gagatcaaag 60

aagttgggcc tgatgggcaa cgaggtgact aaggttgtac ctgctgttac ggaagaantg 120

aaagatgcac ttgtgaagaa cattaggagg agaatgacac cacaaccaat gaaaatccgg 180

gctgatatcg aattgaagtg ttttcagttt gatggagttg ttcacattaa ggaggctatg 240

aaaaatgctg aagccgctgg aaatgaagac tgtcctgtta agattaaatt ggttgctcca 300

cctctgtatg tccttactac tcagacactt gacaaggaac aagggattga aattctaaac 360

aangccatag cagcatgcac tgagacaatt gagacacaca aaggcaagct tgtcgttaan 420

gaaggggcta gaactt 436

<210> 16179
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-032-Q1-E1-E11

<400> 16179

cttcaccgat cttcctcgtt tggtctcgaa tattaagtga aatatgggtt tcataatgga 60

attcgcggag aatttggtgt taaggttaat ggagaatcca gaggaacgag acaggaaagc 120

gagggaacac atatatgaga tgcatgagag gtgcaagaag attaaggaga tgtgggcatt 180

gcctattcgt ccttatggat tctggacatt tgagcgtcac aatgctcagc ttcgttggga 240

tcctcagatc agtcaggttg ctggtcgaag ggatccttat gatgatcttc tcgaggacaa 300

ctacactcct ccttcttcct cttcctcatc ttcagactaa tcaaacaatg aaagaagatg 360

tgttatgctg tctggatgga tgcaagtttg ttttcaagct anttttcccg gatttgtccg 420

cctccggttc caattggtcc t 441

<210> 16180
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-E2

<400> 16180

gttcgactcg gtaaaatcac gattactttc tccttccatt tatcacgatc gtggatccag 60

aaactctgaa agatggcgtc tgagctgaca aaccggcgac acgagataga gcaaccagaa 120

gcggaatctt attatccaaa gccgataaag ccatggttcg tagcgattcg tccgatccgt 180

tacatgctca gagaacagag actcgtcttc gtcctcgtcg gcattgccat cgccacatta 240

ggattcacan tcttctccaa atcatccaac caccaaccaa ttccttacga cgtggattcg 300

ctttccggat acggaatgcg atcggagtca tcgtatctgc cagcgacgat tcataagaaa 360

ccaagcatcg aantacatga gcccgattng gttcggnagg cggcaaaatc cctcctaagg 420

cttgaaacgg aaaantgcta aagggttgtt 450

<210> 16181
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-032-Q1-E1-E5

<400> 16181

cgtcgagtga agaaccagtg aagcataagt agcagagaca gagagagata cgtgagtgtg 60

tgtctgtgtt tttcgctttt tggctttctt cgctgattcc acgaacggcg tgaatcgact 120

tttctccaga tctcatctct ttcagtgttt gattctgtca aaatctgcaa gcgaatcgag 180

atttctcaga tctcgttttc gcttgcacga gattcagatc tgatagtgtc ggtgttcaat 240

tttctcaaat ccaaatggag aaaccggaga gcgagaanaa atcggcggtg tctgatgtcn 300

gtgcatgggc taatgaaatg taatcaagct ccgttgggaa tcatcaatgg ctaataaaca 360

agctcaagtc tcccccgggn ttccggtttt ggctttgcna naaagtttaa nnggaatntc 420

antttgaatt cagggcccct ggttgggga 449

<210> 16182
<211> 526
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-E6

<400> 16182

gggggtggan gntttgtccg ccctgggtnt accgnatacg atnatctngn cctggnccca 60

cgcgtcaagg aaatttctta gtccttttt gttcaatttc ttgtcttttt gcttgttcct 120

ttccaatttt gacttcttaa gagagaggct atgtgcattt tctttatggg tttggttaga 180

tttctangtt tgagtagctc aaatctaata tttggtataa gctttgtgtt tctggtttgt 240

tttgattact ttgattcagg tcttgaaatg attcttctcg aacttctttt tttcttgttt 300

aagcagcaaa agttatggtt tatacaagag ttttgagttt aaaattctct gccttttcag 360

gtgaataaag cggaggtcac gaagatgggt tctggtttaa atgacacatt atctcggaac 420

tacaatggtt tggagctatg gggagataat agtgattgtt ctctccgcga nattcgttgt 480

agtttagcta nagcgctatg ggcttacntt cagaagaann nactct 526

<210> 16183
<211> 581
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-E7

<400> 16183

nnatttttctg gngttttggg cccctggggc ccgnttaacc gggggaanac cgggaaaaaa 60

ttccgcgggg cgctcgnanc cccaaacgnc ggttcaaagg cccccaaacg nccggttccc 120

gggntccctg gtccctcctg ggtttttctg gntgggggtt tggccaaagg aaaacggntt 180

ttaatggnaa caaactggtt ggttacaaac ggccggtttc aatcccccgg gggttttttc 240

caaaaaaaag ggggaattna atttgccctc ctttctggtt ctccttcgaa caaattccct 300

tttccaaatt gaaatccttt ccgggaagaa acttgtttgg gggaagaatt ggggcattgt 360

caattacctt actcagctgt tagagaggag attcagattt tgatgagaat tgtgttggtg 420

ctactaactg gttactggat tgaatgatga gatatctgat ctgtccctgt tgcattnagt 480

gcaaactcta cactggtaat gggntgaata ttcatganca anattcaagg ttttgtcaca 540

ttggatccan aggntttann nactaaaaac ctgtcnangt g 581

<210> 16184
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-E8

<400> 16184

nttcagaata agaaccaaga gttgatgaaa caaatagaaa tctgtcagga agaaaacaaa 60

attctagacc gaatgcacag gcaaaaggtt gcggaggtgg aaaagcttac tcagactgta 120

cgggaactgg aagaggccgt tcttgctggt ggtgctgctg caaatgccgt gagggattac 180

cagcggaagt ttcaagagat gaacgaagaa cgaaaaactc ttgaccggga acttgcgcgt 240

gcaaaggtta cagcaaacag agttgcgaca gtggttgcaa atgaatggaa agatggtaat 300

gataaagtga tgcctgtgaa gcaatggctt gaagaaagaa ggtttctaca gggagaaatg 360

cagcaactcc gcgataagcn tgccatatca gatcaactgc gaaatctgaa ncacagctaa 420

aaagacaagt ttcaactacg acttaaattg cttgaaga 458

<210> 16185
<211> 236
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-F1

<400> 16185

attggnatgg natngnatng ggntttgatt tgttaaaatg gggggtagtt tccgggtttg 60

ggttgtagca ggaagctaag tttgtcaagt taataagagt attttagttt ttttgtaaat 120

cgatttgtgg gtcacatcct acgatcgana gtccatcttg taattgnatc tggggattta 180

cagattcagt ttttttggtt gtgttcnact agaagaatcg tctaggtgtg ttntnt 236

<210> 16186
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-F11

<400> 16186

gcttncctaa caaatgttgt ttcaatcaaa cctacaatct tctcattcca gtccgaatcc 60

ttcactcctt tgcatacacg ggtcaatgta ttctcctcga aacccttttcc ttctctcgct 120

ggaactttct cccggagctc tagaacgaga ttcattcctt atgctgtaac ggagacggaa 180

gaaaaacccg ccgctttgga ccctagttca gaagctgcca ggcgtgtgta tatcggtaac 240

atacccagga cggtgaccaa tgagcagctc actaaacttg ttgaagaaca cggtgctgtt 300

gaaaaagttc angtgatgta tgataagtan tcaggaanaa gccgtcgatt tgggtttgct 360

acaatgaaat cagttgaaga tgctaatgcc gtggttgaga aattgaatgg caataccgtt 420

gaagggcgtg agataaangg taacattnc 449

<210> 16187
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-F2

<400> 16187

gccaattcca ccgctgcgac gagagaggag cacagagatc tctcgtttcg tttttcccgg 60

aaaatctgag gaaataaaat taagcaaaag tttccatcga tcctctgaga aaaaattcga 120

ctctctagtc cacgagtttt ttttttgttc acctctctct ttttcgttaa tctctctcaa 180

acaacgcctc ttcatcattt ccttgtaatt cactttcttc tccgtttttt ttttttttga 240

atctctcttc gtccttcgcc gtttcgattt cttgtttcct ctacttgatg atgaaatttt 300

gatcaagatc tagtgtagaa tagttaggat ttacccagag agattatgtt taaggatcga 360

gagagacgga gttctggtcg taatgggact ccctgaatat agcaatggna aaattccgag 420

atgataatgg gttttggntt cctaaattga attgg 455

<210> 16188
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-F4

<400> 16188

cgggttctct taaagattaa gagagccaaa acgaagcaaa ttaatctgcc ttcaatggct 60

tcttcagcag cagccatcgt ctccggttct ccatttcgtt cttcaccatt aatccataac 120

catcatgctt ctcgttatgc tcctggatcc atctccgtcg tatctctccc ccgtcaagtt 180

tcccgccgtg gcctctccgt taaatcgggg ttgatcgagc cagacggagg aaaactcatg 240

aacctcgtag tcgaagaatc acggcggcgc gtgatgaaac acgaggcgga gacggttccg 300

gcaagggtta aagctgaacc gtgtggatct aaagtgggta catgtgctta agcgaaaggc 360

tgggcaagtc ctctcaaaag ggttcatgaa gacaantcag aagttnctcc caaaacaact 420

ttaantttta aactccgttt ccnggntccg aaaaaacggg gtcccgttcg ttnaaaaa 478

<210> 16189
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-D3

<400> 16189

agcaaaggag aaaaaaaatg gtgaactatg tgctcaaaat caccgctgat ctcgagaatc 60

tcactaatct ccagccttcc ggtggctgcg acgattccaa cttcccttac ctcttcaagt 120

tgaaatgtga aagatgtgga gaggtgactc cgaaagaaac atgtgtgact ttgaatgaga 180

cttttactcc tccgggaggt aggggtactt gtcatcttgt tcagaagtgt aagttctgtg 240

gaagggaagg gaatgtgact atgattccgg gcaaaggtcg acctttaact ctggaagatt 300

ctgaggctgg agaacatgcc cctcttatgg tgtttgactg tcgtggctat gaanccaatt 360

gatttcggat ttggtggata ttggaaaact caagcctgaa tctggaacca aatttgatga 420

aaattgattg tcaaccggga agaatcacag atnc 454

<210> 16190
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-H3

<400> 16190

ttatttctaa caagatatat aacaatggca agagttcagc tatttttatg ctttaccatt 60

ctttttgcat cagtgactct tctggacatc gtttcagctc atttgaagct taagccaact 120

ttgcctcaga ttgaacctcc acaaacgttg aaggatgttg aaccttacac cgttaaagta 180

gtgatagtct ttgtgtccga cctcgagaaa gaatgtccca agacaaataa attcaaggct 240

ttctttgaga aacttagggc attcgccaag tatgtctgcc caataaaaag aaaagaccaa 300

gtagattacg accgagacat gaaggccaag gctggaggct cttcaagtca tatcctcctt 360

tgcgattggg aaagataaaa aaggaantca agagggataa atggaagtta taatacctta 420

agtttaagag attctgcgac taaa 444

<210> 16191
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-H4

<400> 16191

cccggccctg tcggnaanta cacngggtcg acncacgcgt ccgattttac agaagaaagt 60

gaaaagaaag agagaaaggg gaagaagaaa aatgtataaa tcaccattaa cgttgctcac 120

acttcttact atttgttttg gattcttcga tctcagcagt gctctttatg gatcttcgtc 180

acctgtggtt cagctcactg cttctaactt taagtccaag gttcttaatt caaatggagt 240

tgttttggta gagttctttg caccatggtg tggtcattgc aaagctctaa cacctacatg 300

ggagaaagtg gctaatattc tgaaaggagt tgctactgtg gctgcaattg atgcagatgc 360

tcatcagtct gccgcccaag aataaggnaa taaaaggttc ccaacaatta aaggttttgg 420

tcccggaaaa ggcccaatcc aataacaang agccaganat nccaatccaa tgccaaattt 480

gcctaaaaan cagatncag 499

<210> 16192
<211> 224
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-H6

<400> 16192

ctctatctct ctctctatct ctacttatta tttcttaagt taaagaaaca gagattaaaa 60

aataaaaagc cttctcgggt tgtttaaaaa tacngtntca ccgcagtaat taatttaaaa 120

attactgtcg atgacgtggc atgcacttaa aangaaacag ccatgattac aaaaacgatg 180

cgtcttctcc natgccgagt tanntcnggc ggngtcgcng gtaa 224

<210> 16193
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-H9

<400> 16193

gattcgacaa aagctaaaaa taaaataaaa gaagaagcaa aaccctagag ctcaaggtaa 60

tcgccgtcga tttctcaatc tctcaccggc gattacatgc cgatgaaagt tgtacaatag 120

ctgctgtaag agagagattt atcaggtatt tttagaatca tgtatagaga cagaggaacg 180

gtgaattcga gacctgaagt tgtggatcgt aaacggatca acgacgctct tgaacgtcct 240

tctccttcaa cctctcgtca agttaacggc aaaggcaaag gaaccgttac ggcggcgacg 300

acgacggcga acttgattgg gaagcagcag tcgaataaca tcaaccatag agattctcgt 360

tctgcttctc tctcgaagaa caatacggtt tctgatgatg aatcagacac agatagtgaa 420

gaatcang 428

<210> 16194
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-A10

<400> 16194

tcttagaggg atttttgatt gagattttaa aattttctga gttggattag ttggttggta 60

aagagatgga tccggatacg gtgaagtcga ccctctcgaa tctggcattc gggaatgtat 120

tggcggcagc tgctagagat tataaaaagg aagttcttgc aaatgaaaag gcacaaggat 180

caagacctgt caacgaggaa gttgatcttg acgaattgat ggatgatcca gagctagaaa 240

agttgcacgc agataggatt gcagcactca gganagaagt ggaaaagaga gaagcattca 300

aaagacaang acatggtgaa taccgagaag ttagcgaagg cgacttcttg ggagaagtca 360

caaggagtga naaagttata tgtcacttct accacaangg agttctatcg ctgcnagata 420

atgnacaanc attttaana 439

<210> 16195
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-A11

<400> 16195

gaaccctagc tttagattcg tcagattctg attactcgaa tcaaagcagg gtttttgaca 60

ctaaaaatcc gatctcgtga agtgtgtttt gcatcgaatc ggaaaatatg aaagaaggga 120

aatcatcgaa gtcgtcgagt caacaagagc agcatgaaca gatttatcat caaaacagtc 180

acttgggttc tttcaacttc gccaaattgt ttgattctga agcttcctgg gacaaggatc 240

aactgggaga tgtgttgcat tggatcaggc aagtagttgg tttactctgc ggattgttgt 300

ggggtgcgat acctttggta ggaggcatat ggcttcttcn atttcttgca atctcctctg 360

gcatagtata tggttactat gcattggttc taaagatcga tgaanaanac ttcggtggtc 420

acgcancttt gctccaggac gtct 444

<210> 16196
<211> 539
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-A9

<400> 16196

gnnnnnnngn ttnnnngaan tggtntgcct gggccctttt ngtnggccaa aacggtccgg 60

naannccegg gtcgacccac ncgtccggtc ttctgctaaa atcgcgaaag agatatctta 120

cgaatctcca caagtgcgaa tttcgaacgg agctacgatt ccatggcgac caacggagag 180

aaggtcacgg ctacggtggt gaatggcgga gggctatcta ctggtgaaaa ccctaagaaa 240

attgtagacc tcaacactac ggagttagat cgtactgacg acattctcga cggagaagtc 300

aagggatttt cagattctgg tgaaaagaag gaagaaaccg actctaatgg tattggatcg 360

acggctggtg ttgattctgg ggatatctct ccggtcgatg atatccagaa gaagattcga 420

cgtgctgaga ggtttggtgt ttcggtgaaa ttgaccgaag aggagaagcg caattctcgt 480

gctgagaggt ttggtactgt agctgcaaca gtggtgaatg gctcanangg aacgaagaa 539

<210> 16197
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-B10

<400> 16197

gaaaacgaac gaatcagtgt cggctcttgg gttccgaaca aaaacaacat tgtacgtcgg 60

atccaaaaaa cgcgcgttat ataaacgctt aatttctcca ggattcttct tctgcttccg 120

ccattgctcg aaaatcgcgt cttctgacaa tgtgctgaaa ctgagtcatc gtccgagtta 180

gcaaagtgaa acttcgaagt ttctcttaca ctaatctcag gtttgggatt ttgtaagaaa 240

ccgcgtttac aaaatgttca agttgaagca atggttgatt tatttggtgt gttcgttagt 300

aataatgaac acagaaggac tgtttgtcaa tattacattt gttcgaaacg cagtcgctaa 360

aggggccgtt tgtttagatg gaagtccacc agcttatcat ttggatagan gttctggaac 420

tggaatcaat aatttggntg atacaac 447

<210> 16198
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-B11

<400> 16198

tactgcgctg tcaggaataa tggctcgtca ttatgctctc agagatggct attcagagca 60

gatagcagaa gctttgctgg aaattacact tcctagattt tctggagacg tcatcccaaa 120

aacagatgca ggaatggttt tggcaatagg tgataggtaa attgaaagcc taaagttttg 180

ttgtctctcc catttctttc tacgccaaac ggttcgtcct gtgaacacaa aaccttgtat 240

ctggattgcg cggagctaaa ttgtatatgc ttctgatatg ataatttttg ttcgaatttg 300

tgatcctata tactaacacc tatgcttgtc cctatgactg tagattggat agccttgttg 360

gtttatttgc tgctggttgc cagccaagtt caacaaatga ccctttttggc cttagaagaa 420

tatcatatgg cntaataagt ttat 444

<210> 16199
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-B2

<400> 16199

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ccgatactgg gcagcttcaa atgttantgt tagcttacaa cacctcgttt cacnagaggc 120

agatccttta gactctcagg tggttacagt tgctaaattt gaangcggtg gtgctttcaa 180

tgtgattcct gactctgtta ctatcggtgg tacattccga gctttttcaa ctaaaagctt 240

tatgcaactc angaaaagaa ttgagcaggt tatcacaang caagcgagcg tgaatatgtg 300

taatgcaaca gtggatttca ttgangagga gaaacctttt ttcccaccaa ctgtaaatga 360

caaagcctta caccagtttt tcaagaacgt ttcangcgat atgttaggga ttgagaatta 420

cgtcgagatg caaccattaa tgggatcaga aagatttctc ctt 463

<210> 16200
<211> 55
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-B3

<400> 16200

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<210> 16201
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-B5

<400> 16201

aatctccgcc ggtttcttct ctcgccggcg ttttgacagt cgtcgtcant gttaccgtct 60

caaaagctta ctatttcagt tataaaaaan ncaatcanag agctaagaga tcttcttctt 120

tcatcctcgt cgttcttctt cgattttctt attantattt taataatttc ctagagatct 180

ccacaataaa aaaattgggg gttatcgttg ccatcataac gtgtattagt anagcagtag 240

tagtgctgat gtatttgctc acgantaagt cncattcctc gtctcntctt tttcttcncc 300

ttaattagtt tgggcaacac gatcacagtt gantccttca caatcgattt gttaaattaa 360

gaaatcattt tcntctctct ctctctctct ctgtctaaaa tatctatcgg ttgaanaaga 420

tctgaagcgt aactttgctc tgttncagac tctcaaggat 460

<210> 16202
<211> 328
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-B6

<400> 16202

ttcagttttt ttcatcaaan aagagcgtct tcataaacgc ccttcgtctt cttccctgga 60

aatctagttt ctttcttcca caaaaatgag anagtgcagt tcgatccaca ttggtcacgc 120

tggtatccan gtcggaaatg cttgctggga gctgtactgt cttgaacatg ggattcagcc 180

tgatgggaca tgccgagtga caagactgtt ggtggacgtg acgatgcttt caataccttc 240

ttcagtgaaa ncggtgcatg taagcacgtc ncacgtgatg tctttgttga tcatnatcna 300

antgtgatng acnaggtcan gacnggta 328

<210> 16203
<211> 96
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-B7

<400> 16203

gattctctgn gctgcgaagc gaaccgggaa gcggagatat ccttctgaga ggaggaanct 60

gaggacagan cagaaggaag ctgtggctaa ngttaa 96

<210> 16204
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-B9

<400> 16204

gctccgaggg aagatcagcc tcagatcccg atttctccgg tccacgcgtc tctcgccagg 60

tctagtaccg aactcgtttc gggaactgtt cctatgacga ttttctacaa tggaagtgtt 120

tcagttttcc aagtgtctcg taacaaagct ggtgaaatta tgaaggtcgc taatgaagca 180

gcatctaaga aagacgagtc gtcgatggag acagatcttt cggtaattct tccgaccact 240

ctaagaccaa agctctttgg ccagaatcta gaaggagatc ttcccatcgc aaggagaaag 300

tcactgcaac gttttctcga gaagcgcaag gagagattag tatcaacatc tccttactat 360

ccgacatcgg cctaaacgat ctctttttag attgggacat ggaccaaatt tgtctttttc 420

aatccggnag acatccatgt tcgtttttgg at 452

<210> 16205
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-031-Q1-E1-C10

<400> 16205

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ctctaccccct ttcatgtctt ctcaagtcta cgactctcat ccagggttgt tggtgcatca 120

aaccctagtt tttgatttcg cttttgagat ttctcatgct tctttcgttt cggatctctc 180

tctgaatcag attacgtctt ttgggctctt gttgttgttg tgctgctctt caatctcttc 240

tccgttgcgt tctatgtgcc aaatatgagt gaaaagaagg tatttgtgtt tggatccttt 300

acagaacatg aaactaggtc atttttgag cagaaaccca ctaaggatcc tcagaattct 360

aaagacaagt gtgtgggaag tattcaattt ggctccttga atcttgctgc ggaaaattct 420

tcagtaaata ctaatggcga gttga 445

<210> 16206
<211> 552
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-H2

<400> 16206

ggntnnggga agnatntatc ttggccggcc gtgtccggan ataaacgggg tcgaccnaac 60

gcgtccgtca ncttccttct tatcattcac tcacgacact aaccatgacc aaattctccg 120

agccaatcag agactcccac gtggcagttc tcgcgttttt ccccgttggc gctcatgccg 180

gtcctctctt agccgtcact cgccgtctcg ccgccgcttc tccctccacc atcttttctt 240

tcttcaacac cgcaagatca aacgcgtcgt tgttctcctc tgatcatccc gagaacatca 300

aggtccacga cgtctctgac ggtgttccgg agggaancat gctcgggaat ccactgggag 360

atggtcgagc tgtttctcga agcgggtcca cgttatttcc ggaagcgaaa tcnccggcng 420

gaagaagata gaagttgggn aaagaaaagt tgacatgcaa tggctaaaca agaatggcct 480

ttcctcctgg gtttcgcaaa cgggacataa accgggctga agctgaaacg ccnaacttgg 540

ggtttgccct tc 552

<210> 16207
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-F2

<400> 16207

atctacaaag aagaaggaat ctggaaagtc ctcagttttg attgatatca aaccgtggga 60

tgatgagact gacatgaaga agcttgagga agctgtgaag tccattcaga tggaaggttt 120

gttttgggga gcatcaaagc ttgtcccagt tggttatggt atcaagaagt tgcagatttt 180

gtgcaccatt gttgacgacc ttgtctctan tgacaccatg atcgaagagc aactcactgt 240

tgaaccgatc aatgaatatg tccagagctg tgacattgtt gccttcaaca agatatgaag 300

gatggaagaa agccttcaag ggaatgtccg gtgttcatgt ggtccgggtt cctcctcctc 360

ctccnaaaat tccagtttcc ccaagttttt ggnaaactgt tggttttgac tccngttaag 420

ggcctgccaa nctccngatt caantttgan aatttaatgg aaaaantgac a 471

<210> 16208
<211> 102
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-F3

<400> 16208

acagcntgna ntgcttgagg aatttagtgt agcagaacaa ggtgaatacg aacagcgcac 60

agaagctgga ttctccagtn aaaatgcaaa tgctgctata ag 102

<210> 16209
<211> 69
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-F4

<400> 16209

cgacctatca tctgactggc agattcatgt ctcacatcac gaaaactnat ganagattng 60

gcttgatat 69

<210> 16210
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-F5

<400> 16210

agaccctact aagtttgtca tcaccctaca gccatatctg aagagtcagg ctgatagtag 60

aacaggagca cagttactgg agagtattat tttcattatc gattctgtcc tacccttgat 120

ccgcaagctg cctctaagtg tcacagaaga tctggaacag gatctaaagc atatgattgt 180

tcggcattcg tttctaactg ttgtgcatgc ttgcgttagg tgtctttgtt ctgtgagtaa 240

attggcgggg aaaggtgtta gcatagttga gcatcttctt cagttctttt ttaagcggct 300

ggaggcccaa ggttccgata acacacagat tgctgggcgg tccctttttt gtcttggctt 360

gcttaatcgc catgggaaac tctccttaat agtacctcan gtggcaaaga attcaatcct 420

ctctggctgt cctaanttgt ta 442

<210> 16211
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-F6

<400> 16211

aggatgaggc tagatgaata ggttctcatg gatttcttta gggagtatat aagtgcatct 60

aaagtggaga gcagaatcag aataatgagc gatctgagag aacttgcatc tgnggagagt 120

ctagatgcat ttacactcgt gtactcgaat attctagagc accagcctga ctgcccggcc 180

gaggtcgtan agaagcttgt tagtctgcgt gaaggcatac cacggaagga cacannngag 240

gtggtacaag agtgcaaaga gatatatgag aacacactgg gtagatggta atcctcnaaa 300

ggacagggat ttgtattccc cgagagtcaa gttgctaact gcttccaaaa ngattctatg 360

tggccganaa ctcacttaat ctgttaaana agcgttnaan cgtttgcgtc cgtnnctgct 420

tttccnagtt gancatgaat gttctttctc aaaattattg gctg 464

<210> 16212
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-G11

<400> 16212

nnngaacgtt tccctgncct tnggtcgcan atcccgggtn aacccacgcg tnccggcatt 60

taggacctan catagttaca cgtatatctg ggagcctagc aatggtcgtc ttatcatgtt 120

acccactaat agcaaagtta tctggtttag cccttaccgt gactgtaact tctgcatccg 180

tagcaaagag tgttttaggt acttctgcta taactggatt attcatcctt caaaacaagg 240

ctgtgagaca agaccaaaga ggagcagcta atggaattgc catgacagcg atgtctcttt 300

tcaaagccat aggtccagca gcagcaggaa tcatttttc gtggagcgag aaacgtcagg 360

gtgctgcttt tctccctggc acccaaatgg tantctttat actgaatgtg gttttggcac 420

ttggagttgt attgacattc aaaccaattc tagcctgaaa acncaacagt nganaagtga 480

tgnaggattt gatgggtant taaat 505

<210> 16213
<211> 539
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-G12

<400> 16213

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ncgcctttat taattannaa aaaagagtca tgggcatttt catccttncg tggttccgtc 120

cgtcaaaagc ccgtcaaact cacgggtggg acgtctcccg tctcccggtc aaccgtcttc 180

taagattcgc cgtcctccct gctttccttc accgccgtta cgcaacaagc gtcaaactaa 240

cggccataag cgccgcctta aaaaccgtcg agcaaacgac gttaacagag gataacagat 300

tctcaaccgt cggatctgac tctgatgaat acaatccaac tcttccaaag ccgaggatcc 360

tcgtcaccga gaaactggga gaagccggcg ttgaatctcc tcagggaatt cggcgacgtt 420

gactgctcct acgatctttc gccggaaaga tntgaagaag aaagtggcgg gagatgacct 480

ctgatcgtga anaagcggga actaaagtga cgaagggaaa tttttgaggc ngcgaaagg 539

<210> 16214
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-G3

<400> 16214

gcgatggtca tggtggtcct gaagctgctc gttatgtctg tgatcatctc tttaaccatt 60

ttcgagaaat atcagcggaa acacaaggag ttgtgacgag agagacgata gaaagagcct 120

ttcatgcgac agaagaagga ttcgcttcca ttgtgtcaga gctgtggcaa gaaataccaa 180

atttggcaac tgttggcact tgttgtttgg ttggagtgat atatcaaaat actcttttg 240

tggcaagtct tggagattca cgggttgttc ttggaaagaa aggcaactgt ggcggactct 300

ctgctattca nctgtcgact gaacacaatg ctaacaatga aagatattcc ttgggaactc 360

aagggactta catcctgatg aacccgcana tcgttgtgtt caagcatggg anttttggag 420

aatttaaggg catcattcaa ggtatcca 448

<210> 16215
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-G4

<400> 16215

ggngtggaag tatctnctnc ttcgtctgtc cgnctgatag ggtngncgac gcgtccggat 60

anatnccaat tgatcaatca ataaccttat cttcttcatc ttctctgtca gtatctgaat 120

ctgcatctgg aagcgtgatt tcatcatcat gtatttaacc gcttcatctt ccgnntcntc 180

ctccatcatc cgagctgctt cttctcgctc ttcttctctt ttctctttcc gatcggtttt 240

atctccctcc gtttcatcta cttctccgtc gtctcttctc gctcgtagat cttttggtac 300

catttcccct gctttccgtc gctggangcc antcntttca ctcgaaacat cgccgtttcg 360

cttcacctct canatnagag ctgtttctcc agtcttagat tggtctcaag anaanncttc 420

tcttccatgg gcgtnagaac atccgtttaa anggatnntc aa 462

<210> 16216
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-030-Q1-E1-G7

<400> 16216

gcccacgcgt ccgattgaca accaatatga tgtcggtgtc taagatatgt gtagtccaat 60

ctgcagagca tggtcctatg attaatgaat tcactgttag tgggacaact tatgcaccag 120

aaggtaccgt ctttgacagc aatgggatgc agcttgactt acctgctcag tcaccttgcc 180

ttcatcattt agcaatgtgt tcatcactct gcaatgactc catcttgcaa tacaatccag 240

ataaggattc ttatgaaaaa attggagagt caactgaagt tgctcttcga gttcttgcag 300

aaaaggttgg gctccctggt tttgattcaa tgccttctgc tctaaacatg ttgagcaagc 360

atgaacgtgc atcatattgc aaccattatt gggaaaacca attcaaaaag tttatgtttt 420

ggagtttact ccgtgaccga aaaatgatga 450

<210> 16217
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-030-Q1-E1-G8

<400> 16217

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cgattcaatc aattcggaat cacaatttca aatcgagaga atttcaattt ctcttgtaaa 120

accctaaatt atgtacagca atttcaagga acaagcgatc gagtacgtga agcaagcggt 180

tcatgaagac aatgctggga attacaataa agctttccct ctatacatga acgcgcttga 240

gtacttcaaa actcatctca agtatgagaa gaacctaaga tcagagaagc tattaccaga 300

aattcaccga atatctccgt ctgctganga natncgtgct gttccccatg aaagtggatn 360

nggtccaaga tttaacggtg atgcaancgt ccaacgaagg ccaaaactaa gcctaaagat 420

gg 422

<210> 16218
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-H1

<400> 16218

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tcgagcgctg tagttatgag ggatggagat gggaaatcca ggtgttttgg atttgtcaac 120

tttgagaatc ctgaagatgc agctcgtgct gttgaagctc tcaatggaaa gaagtttgat 180

gataaggagt ggtatgtggg taaagctcag aagaaatctg agagggaact tgagttgagc 240

cggagatatg aacaaggctc aagtgatggt ggaaacaaat ttgatgggtt gaatttatat 300

gttaagaacc ttgatgatac cgtcaccgat gagaagttgc gccnagttgt ttgccgaatt 360

tggtacatca cctcttcaaa ggttatgcgg gaaccctant tggtactaac anaaggattn 420

aggatttgtt gccctct 437

<210> 16219
<211> 261
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-030-Q1-E1-H10

<400> 16219

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ccattagggt ttctaatttc actcttcntc attgttactt ttcttgcacc annggtcaaa 120

tcggagggct ttctttgtcn ttggtgactc tctcgtcgac aatggaaaca acgactacct 180

cgtcaccact gcccgttgcc gacaattaan ccgtatggta tcgactaacc cganncgtnn 240

aaccaacgga cgtttctctn a 261

<210> 16220
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-H11

<400> 16220

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gagaaaaaac atannaagca aaaanaaagg taaaatcaaa aaggggaaaa atanataaca 120

ncaaanaaaa aaagttagaa aaaatggcag taggaaaggt tgtggtatct gtggcatcac 180

tcctcctagt ggtgggtgtt gccataggag ttatcacgtt cgttaataaa ggaggcggcg 240

ccaatggcga cagtaatggt cncatanact ctcatcagan agcggttcag acaatttgcc 300

antcnaccac agaccaaggt tcgtgcgcga aaacactcga cccagttann agtgatnatt 360

caangcaagc cttgtcaaag ccttcctgan tgg 393

<210> 16221
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-H12

<400> 16221

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aggttgaatc ccaatagtcc aattttagtt aagagtgtta atgcttcaag atctcgaaga 120

gttctgttgg cgtatgttca tcatccttta gctgctaata agggttcatc tattgaagga 180

gttaaagcaa ggtctttgtt gtacaaagac tgtcactttt gttagttctc ggagatgttc 240

tacattgtgc tttgttggaa agtctcaaga cactgaaact aattcccaag ttgtacaaaa 300

agaaggtgag aagcaagtga tgccgaggag gaaaagtagt aactcaagcc aacttttggt 360

ggaatatgtg tctaatgatg ctaagtttgt gaatgaaaga gctcgtaatg actttgttct 420

tctatctccg tggtattatg agacntgatg ccccgtgcac gacaaggatg tttgcaatcc 480

ctggggtccc gggttccctt aaactncaat gctcg 515

<210> 16222
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-E9

<400> 16222

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cgcgtccgct tagagctctc tctcagtcga aaacaatggc gtcttcttca gcgacgctct 120

ctctctgctc tactttctct gctcattgca atgtcaattc tcgccgttct agcactatcc 180

tctgttctct ctctaaacct tcgcttaatt tggctaaacc tcttactgga tttctttctc 240

cttccactgc gtcgacgtct cgaaccgcat tcaccgtcgc tccgaaattc gcggaatcag 300

tcgtcgaagc tgaaccggag actaccgata tcgaagctgt ggtggtttcc gatgtttcgg 360

aggttactga ggaaaaagct aaacgagaag agattttcgc tgttattatg gttggtggac 420

gccaatacat agtgtttcca gggagatatc tctacactca gaggctaaaa gatgcaaatg 480

ttgatgacca nattgttctc aacaaagtgt tgct 514

<210> 16223
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-C4

<400> 16223

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acagagttgc tacaatggaa tccatcgtat aaaaagggtt catcctctga ttcactctct 120

cacatttcat cgattctcct catcttctct tccattcaaa tctcacattc cctcttcaca 180

acaacagctt cgtattcgct catcttcttc gctttctgat cttggaaatc gcaggcattg 240

ttcgtctact cgaggatttc aattttggtc atacaagaga agcgaagcag cgtcgccgtt 300

caagacgagg tacagagaan acgaagaaga agaagatatg acgattaaac cggcggttcg 360

tatttccgac gggaatctaa tcatcaaaaa ncggacgatc taaccggtgt acaagataat 420

gtcatcacga cgtcagcatc gga 443

<210> 16224
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-C6

<400> 16224

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tcagattcaa aatcctccat gatcgatccc aattgatcaa tcaataacct tatcttcttc 120

atcttctctg tcagtatctg aatctgcatc tggaagcgtg atttcatcat catgtattta 180

accgcttcat cttccgcttc ttcctccatc atccgagctg cttcttctcg ctcttcttct 240

cttttctctt tccgatcggt tttatctccc tccgtttcat ctacttctcc gtcgtctctt 300

ctcgctcgta gatcttttgg taccatttcc cctgctttcc gtcgctggga gccattcctt 360

tcactcgaaa ccatctccgg tttcgcttca nctctcaaga tnagagctgt ttctccaagt 420

ctaagattgt cctccaag 438

<210> 16225
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-C7

<400> 16225

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tcagatccag agcttgatga tgactttagt gaaatctaca aggagtatac tggncctgca 120

agtgctgtga ccaacaacaa tatccaagac aaagacaaac ctgtcaaaca acgttctgaa 180

gaaagatgtg atgaagaaga agagcaactt cctgatccca actctgtacc aactgatttc 240

actagccgtg aagctaaggt ttgggaggct aaatccaaag ctactgagag gaattggaag 300

aagaggaaag aggaagagat gatctgtaaa atttgtggca atccnggtca ttttactcag 360

ggatgtcaac ctacacttgg tgccaataag gaagtctcaa gaantcttga aanggtacaa 420

gctaagggac aataatgtga gagtt 445

<210> 16226
<211> 114
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-C8

<400> 16226

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<210> 16227
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-C9

<400> 16227

gctcagctct ccagcnccgg tcaatccgta caggtaagtc aaaaagtttg tgaaagatgg 60

ggtcgtgttc gtaccaaaac ggttaagaag tcttcacgtc aggtgattga gaagtactac 120

tcacggatga cactagactt ccacaccaac aagaagatct tggaagaagt tgcaatcatc 180

ccatcgaaaa ggctacgcaa caagattgct ggattctcca ctcacttgat gaaacgtatc 240

caaaagggtc cagtccgtgg aatctccctc aagctacaag aggaagagcg tgaaaggcga 300

atggactttg ttcccgatga gtcagccatt aaaatcgatg atgttaaggt ggacaaagag 360

acactagaga tgcttgcttc nttgggaatg tctgatattg ctgggatttc tcaagtggag 420

acacaacaaa gctatggnac ctgctgtgtt tgg 453

<210> 16228
<211> 337
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-D1

<400> 16228

aactgctgnt aaggnnccca acaaaccaaa nanggcagcc agtgntttct tcgttttcat 60

ggnanatttc cgtgagactt tcangaagga naaccccaag aacaagtctg tanctactgt 120

tggaaaagct gctggagaca antggaaatc cttgtctgat tctgagaaaa ctccttaant 180

tgctaaagct gagaaaacgc aaaggttgaa tatgagaang aaacaattaa agntttacaa 240

caaagaaaac tggaaggaaa ggtccaaaaa gaaagatgaa ggaatctgac aaagtccagt 300

tgtcagaagg tcaattgacn aaggatgaat gcctgag 337

<210> 16229
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-D12

<400> 16229

tgcgtcctnt tggtgcttga agcgatgacc atggcagcaa atctagcgcg acggctgatc 60

ggaaaccgat cgactcagat ccttggagcc gtgaactcta gctcaggtgc ggctagttct 120

gtcgctaggg ctttctgctc ctccaccact ccgatcaccg caactctctt ccctggcgat 180

gggatcggtc ccgagatcgc cgaatctgtc aaaaaggtgt ttacaacagc tggtgtacca 240

attgagtggg aagaacacta tgttgggact gagatagatn cgagaacaca gagtttcttg 300

acatgggaaa gtctcgaatc tgtgcgtaga ancaaagttg gtttgaaang tccaatggct 360

actccaattg ggaaaggtca ncgttctttg aaccngactc ctaaggaaag agcntaatcn 420

aannntgccaa tgttagacnt ggtta 445

<210> 16230
<211> 269
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-D3

<400> 16230

ctcncagaaa aatgntntna anggtnccga aaggtccctt tttgggggggc aagccctaac 60

tttgnaactc caaacctaaa ntgaggaaat ctcatgggag gctaattgaa tcaatggggg 120

ggaatggcct tgcccgaaag aagcaatcaa gctaaaggaa aaagttcaca agcctggntg 180

aaattnccgg taaatttttg ggaattaacg gccaaggaaa ccttggatta agaaaaaagg 240

aacaacnaaa gggggccgtt tnaaatncc 269

<210> 16231
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-D4

<400> 16231

ggnnngagtg tcntcttgnn cnccggtccg ganataacgg gtcgacncac gcgtccgccc 60

acgcntccgc ccacgcgtcc ggagcctttc agacttcacc cgaatcatat ttcttagttc 120

tcctccagtg gatgaggcta aagttcgcca gaaccaaagc ccatacttga gcgaggtaat 180

ccgcacaaac gacctctgca agacttattc agatgcttgt gtagagctgt gccaagaact 240

cggcctagaa gtagttgatc tcttctctac ttttcagaaa gcagatgact ggaaaactgt 300

ttgcttcaca gacgggattc atttgtcagc acaaggaagc aaaatagtag cgggagagat 360

actaagagtg gttaaagaac ggaatggcat ccatcacttn actgggaaat caatgccaac 420

agaattccgc anatgactct ccttatgatc tgtatcagca gatggcaaac agacaagtna 480

attcctcaaa atggacntaa ttctgggaaa aaca 514

<210> 16232
<211> 175
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-D5

<400> 16232

gactgaggtc ttgggaagat nagcaagcnt tattcanana aaagttcggt catatctcgc 60

taaaaagagt ttcatccgtt ctgcgtaatt ctgctaaaca gattcagtca gtttgcanag 120

gttatctcgc ctagaagtgt atatgaaagc atgcngtagg gaaactgctg ctttg 175

<210> 16233
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-D6

<400> 16233

ntgtctgaaa aaatctttgt gcgaagcagg aaaaatgtcg tcgacccatc agttagtttc 60

ttcgatgatc tcttcttcct catccacttt cttagcccct tcaaatttta atctcagaac 120

tcgaaatgct tgcttaccca tggcaaaacg ggtcaatact tgcaaatgtg ttgctacgcc 180

gcaagagaag atcgagtata agaccaaagt gtcacggaat tcaaacatgt ccaaacttca 240

ggctggatac ctattcccgg agattgcaag aagaaggtct gcacacttgt tgaaatatcc 300

agatgcacaa gttataagtc ttgggaatag gcgacacaac tgagccaatt cctgaagtga 360

tcacttctgc tatggcaaaa gaaagctcat ganttgtcaa caatagangg atataatggt 420

atggtgctga acaaggtgca aagccactga g 451

<210> 16234
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-D8

<400> 16234

aaattcgata aacctcgatt gatcccaaat tcccaatgga ggtttctgtt ctcacctaat 60

ttagctccat atccctcgca gtccgattca agtgagattc ttctaagttt tttggaagaa 120

taatggtgtt gccgttgatg aaactgggca cactcgccgt caaaaccata agtaaaccat 180

tggctagtca gctcaagcac caagctaagg ttcatcccaa gtttcgtcaa tctatcatca 240

acttcgctca gaggaatcat cgaatcacta cgcaaatgca aagaaggata tatggtcatg 300

ccactgatgt agagattcgt cccttagatg aggaaaaggc tgttcaagct gctgttgacc 360

tcattgggag agatctttct ctttggggtc ggtggagctg ttgttgtttt tgangtgcan 420

agaattcgcg ggtcagaanc aaagaaaaga gg 452

<210> 16235
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-D9

<400> 16235

gnnnnnnnnn ggnngaatgt ctncctgntc tttcggtcgg ccaatcccgg gtcaacccac 60

gcgtccgctt tcatccataa anttctattt ttctcatcgc aaacttgaac cgtcgtaacc 120

ctaaatcgcc atcttcatca tcggcaaatc gaatctccga ttatatatca aatagcttac 180

canntccgac atgacccagg ccctcgtttt cggaggacta taatgatcgg actcttcgtg 240

tcccgtctcg attgcatggg gtttgagcta tgccggagct tcgccgtgga gtccgccgtg 300

gccgtgttac tgatgctgta gctcccaatc agcttccgca aacacctaca gaaaagaaac 360

cgaagaagag taccgttaaa gctccaaaac cggttgccgg cggagttaca ggagttgcag 420

agaagcccga ggactagatt agcggcgang aaattaaagg gaggaagata aaagagatac 480

ctcaggagat tccgggttgt tgtgccgtca aaggatac 518

<210> 16236
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-E11

<400> 16236

ccgtgaattt tcgcggagct tttctcggga aaataatcta aagaagattc gagattaaga 60

cacgtcatct ccggtttcgt agagagatct gaagaangag tctcttctct tctccgatgg 120

gaacgctaca gtcatggaga aaagcctatg gagccctaaa agactccacc aaagtcggac 180

ttgtccgtgt caacagcgaa tacgccgatt tagatgttgc catagtcaaa gctaccaatc 240

atgttgagtg tcctcccaaa gatcgccatc tcagaaaaat cttcgctgca acatcagtga 300

ctcgtgctcg agcagatgtt gcttattgta ttcacgccct ttcacggcgt ttgcataaaa 360

ccaggaattg gacgggttgc tttgaaaaca ctaattgtga tacatcggct tctaagggaa 420

ggagattcna c 431

<210> 16237
<211> 114
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-E12

<400> 16237

anagtgtaac natttcttgg ggaagtccat ttctacntgc ttttcttttt atcggcattt 60

ggcttttggt tcccaaaaac tcttatttct gttgtanatt catgtctgan ttta 114

<210> 16238
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-C3

<400> 16238

ggntgtngga anngtcntcn tgggngncnc ggtccggaca anacgggtcg acncacgcgt 60

ccgagcagaa tacgggtacg cttcttctaa gataaatctc tccccgattc tctcttttc 120

tcgctagata ctctttttct tcaattangg tttcttctcg cttgcctttt aantctctcg 180

nggggatctg atctccgtta ccgatggagt ctactgctaa cgcactcgtc gtnaaggtga 240

gctatggagg tgtgcttaag cgtttcangg tgcctgttaa agctaangga aancttgatc 300

ttgaaatggc tggtcttaan gaaaaagatc gctgctctcn ttaacctctc tgcggaagct 360

gaanttaagt ctgacttact ctgatgaaga tgggggatgt ggttgccctt gttgatgaca 420

acattctctt tgatgttaca aacaagcgtc taagttccta aagatcaatg tgaacgctgg 480

cgtgtcaact aactctgctg cccaagagag t 511

<210> 16239
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-E2

<400> 16239

gctcnacaaa gattctaact ttgagagaga tttttcggtt gtagatgcag attcagagcg 60

tatcatctct cgagaaagga tcaatgtctc atgaaataag ctagactctg tttctgtttt 120

cttcttcttc gatctcaatt tcttcttctt cgagctaggg gttgtttatg tttgggaaag 180

gaatgggcac taggcagtat tcactgggag aagtagggcc accaataaat ccgagagctg 240

gattgcgaag ggaacaagct ggtagaggtt catacagagg tagttagtag attcgtanct 300

catctgtagg caaaaagggt ttccttttan gtggcaaaga ctgtttaatt tcagacacag 360

agactgatta agaattcaag ggaaaattct tgtcngggga ctaatttaag ttttaaaaan 420

gggtgttttt taatggttaa agggaaggtt aaatt 455

<210> 16240
<211> 181
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-E8

<400> 16240

ctctgagaag atgggnggtc acgatgactc ttcttcttcn tcttccgatt cggatgacna 60

taagaactct gcgtctctca naaccaatga tttatcgtct tttcggaana gaacatcctc 120

ttcacaagct tttcggtggc ggaaaatntg ccgacatttt ccngtggagg aacantgntg 180

t 181

<210> 16241
<211> 435

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-B8

<400> 16241

gaaagggtaa acacgccgcc gttgattcag ccggagaatc aatggaaagt gaagcaattc 60

aagaggatct tcagaattta gacgtcgagt taaaggatgt tcaaggtcag ataagtgctt 120

tgattgagca tcaagatagg ttatacgaga gaaagtctga gttaaagaca ttgttaaaag 180

cattagcagc atcaggaagt cctgttgcat catctggtgg ctctaagtgc tatagagaat 240

tggtcctgag acatttgagt nggaatcccg tgcctgacga atgttaggtt taacgttttt 300

ggtaatatcc aaagtntaag gctaaacaag aaggaaatta ataacgctat tatgaccgga 360

aaaaattcct ggtgatcatg gaagcangtg ggttggnaaa atctttgcna acaacttcaa 420

gctaangctt cttgg 435

<210> 16242
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-029-Q1-E1-B9

<400> 16242

gaaaaaatgg agggaggaat aatacatgga ggagcagatg aatcagcttt caaagaatgt 60

ttctctctaa catggaagaa tccttatgtt cttcgtcttg ctttctctgc cggaatcggt 120

ggtcttctct ttggttacga caccggagtg atatcaggtg ctctgcttta tatcagagat 180

gatttcaagt ctgttgacag aaatacttgg ttacaggaga tgatagtgag catggcagtt 240

gcaggagcca tcgttggagc cgccatagga ggttgggcga acgacaaatt agggaggaga 300

agcgcgattc tcatggcgga tttcctcttt tattaggagc tatcattatg gcggctgctc 360

ctaacccgtc cctccttgtc gttggccgtg tttttgtggg cctcggggtc gggatggcct 420

cgatgaccgc tcctctatac atctcag 447

<210> 16243
<211> 496
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-C1

<400> 16243

nnnngagaat ttcnggnann acggtccgga gtaacgggtc gacgcacgcg tccgcccacg 60

cntccgctct ctctcaatcc aacaaagaaa aaaaaagtct tcttcttttt ttacaagtct 120

gagaattttc tacagaaaca aaaatctgat tgtttttccc actttgcatc tgttttgagg 180

atgccagcta cggattttca aggatcattt ggaaggtcgt tgctaagttt acggcgagac 240

caagttgact catcaacagt cgtctccgga agtagtagcc accacgagcc aagcaccatg 300

gaggttgagc tagattcgtt tcaaagacaa gtcgctgaga aattcatcga tctcaacgct 360

tcttcaaacg accttctctc tctcgaatgg atcggaaagc ttcttgattc tttcctctgt 420

tgtcaagaag agtttcgagc tatcgtattc aaccaccgat ctcagatcct aaatctccga 480

tggancgttt gaattc 496

<210> 16244
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-C10

<400> 16244

aaattcaaac tctctctttc tcctttcacc aaacaataca agagatctga tctcattcac 60

ctaaacacaa cttcttgaaa accaatggat caaatcgaag caatgttgtg cggcggagga 120

gagaagacaa aagtggcggt tactacgaag actttggcag atccattgaa ttggggttta 180

gcagcggatc aaatgaaagg aagtcattta gatgaagtga agaagatggt cgaagagtat 240

cgtagaccag tcgtgaatct tggcggagaa acactgacga tcggacaagt tgctgccatc 300

tccaccgtag gaggcagcgt taaggttgag ttagcggaga cttcaagagc cggtgtgaaa 360

gctancantg attgggttat ggagagcatg ancaaaggta ctgacagtta cggggtcacc 420

accgggtttg gtgcnacttc ca 442

<210> 16245

<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-C2

<400> 16245

gnnnngantg tntcttggcn ncaccggtcc ggaaatanac gggtcgacgc ncgcgtccgc 60

ccacgnntcc ggcctctgta acgttcgatc atcttgtatt tcatttcaac cactcattgn 120

ttttagtttg ttttacnaan aatcaactat ggcgacgaag agaancgttg gaactttgaa 180

ggaagcggat ctgaagggaa agagtgtgtt cgtgagggtt gatctcaacg ttcctttgga 240

tgataactct aacatcaccg atgacaccag gattcgtgcc gctgttccca ccatcaagta 300

cttgaagggt aatggatcta aggttgttcc ctgcagtcac ttgggccgcc caaaaagggg 360

taccctaaat tcaactttaa ggcctccttg tgccaaaatt gtctgaaact tcctggggtt 420

gaaggttgta attggcaaat gacncnaatg ggggaggaag tccaaaaatt tggttcaagg 480

ctanccgaaa ggggtgtt 498

<210> 16246
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-C4

<400> 16246

gnnnngagtg tcnttttgnt cgccggtccg gacataacgg gtcgacncac gcgtccgccc 60

acgcntccgg caagacccat ggaggaaggt ctagctgagg ctattgatga tggacgtatt 120

ggcccaaggg atgaccctaa gatcagatcc aagatcttgg ctgangagtt tggatgggac 180

aaggatcttg caaagaagat ctgggctttt ggacctgaaa ccacagggcc taacatggtt 240

gtcgatatgt gtaanggant tcagtacctt aacgaaatca aggattcagt tgttgctggt 300

ttccantggg cgtccaagga angtcctctt gctgaacaga acatganagg tatctgtttt 360

gangtatgtg atgtggtgct tcactctgat gccatccaca naagaagtgg tcangttatc 420

cccacagcca agaaaggtca tatacgcntc ccagattaca gctaanccaa nacttttgga 480

gccggttana tgg 493

<210> 16247
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-C5

<400> 16247

gccccatttc tctgaaaacc ctaacaaatc ctcctcttgt tccgccactg ccgccgccgc 60

tactcaacgg tggtgaattt tctatacggt cagttcgatc ctcnttttat cgacaatcct 120

acacaaatcc ataatcatgg ccgccactgc ttcctccgaa gcttctgaag gaccagtgat 180

gggtctcatc aacaagcgtc tccgtgctct ccgtaagaaa tacaaccgaa tcactcaaat 240

ggaagaatcg atttctcaag gcaaaaccct aaacaaggag caagaagaag tcctccgctc 300

taaacctgcc gtcgtcatcc taatcgacga gcttgaaaag atccgtgctc ctctctccgc 360

cgctgtgaca gaggaaatca gcctcgctac tcagcttaac cgtgcttcat ccgattaaac 420

aacgcatct 429

<210> 16248
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-C6

<400> 16248

agttctttct tcttaatcac agctcagcct gacgcaaccg ctcaggctga tctcttccaa 60

tttacagcca tttcccagct cagatctctg atccggtgag atctctctca nggnaaagga 120

gttagagcat catcaagatg aaggcactca ttcttgttgg aggcttcggc actcgcttga 180

gaccattgac tctcagtttc ccaaagcccc ttgttgattt tgctaataaa cccatgatcc 240

ttcatcaaga tagaggctct taaggcagtt ggagttgatg aagtggtttt gggccatcaa 300

ttatcagcca gaggtgatgc tgaacttctt gaangacttt gagaccaanc tgganatcaa 360

aatcacttgc tcacangaga ccgagccact angtaccgct ggtcctctgg gctctagcga 420

gaaatnaaat tgntg 435

<210> 16249
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-C8

<400> 16249

ttctctcttc ctttacagag aaagcagaga gagagacaaa gggaaagcta aatccgtgac 60

ccggatccga aataatcggg ttttcaaaat ctaattcctc ttatcttctc ncttcttctt 120

cttcctgggt tcttcccaaa attcaatttc attaaaaggg cactgccctt tatcatgcct 180

aaaattctca ggatctaaat aaaagtatag aacaatgggt ggatgtgtgt caacccattc 240

aaaagcgaat aaggcctagg aggaaaggcg ttcgtaattc ttcnaaacac tttccnaaat 300

tgnctganaa tngtnccnaa tggcaaataa ttagaaaggc caatgacgtt tggaanccaa 360

tttcctttgg caactcccaa agaatatgna aggtttggcc ccggncatgg tccttgatcc 420

ggtaaggatg ag 432

<210> 16250
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-D1

<400> 16250

ccaacgacgc tgctcctctt tatcggagct ctcatcttct ccggcgccgg tactgtcaga 60

tccgatgcct ccgaccaccg ttacaaggac ggtgactccg ttcctctcta cgccaacaag 120

gtcggccccc ttcacaatcc cagtgagacg tatcgctatt tcgatctccc cttttgtatt 180

ccagagggtg tgaaagataa gaaggaagct cttggtgagg ttttgaatgg ggataggctt 240

gttagtgctc catacaagct taactttaga gatgagaaag actcagaggt gtactgtaaa 300

aagaagctta gtagagaaga agttgaacac tttcgaagag ctgttgaaaa agattattac 360

tttcagatgt atatgatgaa ttgcctattg gggattcant gggaaagtgg acaaagagaa 420

caaatctgat c 431

<210> 16251
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-D11

<400> 16251

tctttgtttg gttgttcttt cttcgcatcc aaagatgaag ctcgtcaggt ttttgatgaa 60

gttaaacaat gaaactgtgt ctatcgagct gaagaatggg actgtggtcc atggaaccat 120

cactggtgtt gatgtgagca tgaacactca cttgaagaca gtgaagatga gcctgaaggg 180

gaaaaaccca gtaacacttg atcatcttag cttgaggggt aataatattc gctactacat 240

tcttcctgat agcttgaacc tcgagacttt acttgtggaa gacactccta gagttaaacc 300

taagaagcct gttgctggga aagctgttgg acgcggtcgc ggacgtggcc gtgggcgtgg 360

tcgcggcaga ngtcgttaga tgtagcagcg ctctggaaca tgttgaaggt ttgtgagtta 420

atttttagga gaatgtc 437

<210> 16252
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-029-Q1-E1-D12

<400> 16252

atatacaaat atatatctac aaactacaat gaataatttc attctcttat ggcatatggt 60

gctataaaca aacacactta ccacgcttga tcctacaaca catgaaccat ggcttcttca 120

acccactctt acttcaccac tttagcacta accctaatct tgatctttcg tctcatacca 180

gaaaccaccg catcacgcca tctgaatgga aagaatccgg cggtaattgg agttaccact 240

actagcgaga aatacattgt tcctacgccg ttaccaccgt ttttacgacc ctttttccca 300

ccgttacagt ttgccgctgc accgttcgga gggaatatcc cacaaccacc gttaccttca 360

ccacctccaa catttctacc gtgtctccca ggtttcaagt ttcctccccc ttcagtcccg 420

aaagcctacg ccgccgtaat cgt 443

<210> 16253
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-D4

<400> 16253

gnnnngaant gtntntgccg ccggtccgga cataacgggt cgacgcacgc gtccgccgaa 60

caaactgctt aaattgaaga gacgactatg tgcgtaaaac gaagagactc aaaacaattt 120

tgggattcgt gagagatatt gattcgctgc aatggaagaa tctgttcatc aatcgatacg 180

attcggctca gttgcagatt taatcatgtg gaagaatcga cgcggagggt ttcttctact 240

tggatcaacg acattgttat ggttcctctt tgagaaatgt ggatacagtt tcttcccctt 300

tgttgttaat actcagcttc tctccgtcgt tatactcttc ctctgggcca aatctgctat 360

tctcttcaat aggcctatgc ctcaactacc taatcttgaa atcactgagg aatttgtgtt 420

taaggtggct gatgctatac gagtctggat taataccgtg ctcgctgntg ccccgtaaga 480

tttacgtgga 490

<210> 16254
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-D5

<400> 16254

gggaatctct taatgaagag cacataatag gctgtggagg ctttggcaca gtgtacaagc 60

tgtctatgga cgatggcaat gtttttgcgc tgaaaagaat tgttaagtta aatgaaggtt 120

ttgatcggtt ttttgaaagg gagcttgaga ttcttgggag catcaaacat cgttaccttg 180

tgaatctacg tggatactgc aattcaccca catcaaagct tctgctatat gattaccttc 240

ctggtggtag ccttgatgaa gctctacata agagaggcga gcagctggat tgggattcgc 300

gagttaatat cataatanga gcggcaaaag ggttggcata cttgcatcat gattgttctc 360

ctaggattat acaccgtgat ataaaatcaa gcaacatctt actggatgga aatctggagg 420

ctcggg 426

<210> 16255
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-B5

<400> 16255

attctccgat cactacaacg attccgatct gtcctccgtt gatttcgatc ctgattttga 60

tattgtttcg acatgaaatt ggtgtgatct cgtttcgagt ttcgtggcgt atttgcttat 120

tttaagtgtg tggaatcgat ttttaatggg ggataattct ggtagaagta gaaactctat 180

gatggcaact gtttcttctg ggaaagagtt gtnacctaaa agaagcttag tagctgctat 240

tccaagagct gttcagcaga caatctctaa gcatgtttct tttgggagta atggtagatt 300

tggaagtgga accgctcgta atgcagctgt gttctgctta aaatcgctgt tttagaantt 360

gttcgaaggg tttcaaaggc taaatgtcct catttgtgga atatcctcan gcgttgcaat 420

<210> 16256
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-H11

<400> 16256

agtccaagtt gggtttcaca gtttacccat ctccacaggt ctctacctcc gttgttgagc 60

cttacaacag tgtcctctcc actcactctc tcttggaaca cactgangtc tccntcctcc 120

tcgacaatga agctatctat gacatctgca gangctccct aagcattgag agaccaacct 180

acaccaacct caaccgcctc gtctctcagg ttatttcttc cttgactgct tcnctgaggt 240

ttgatggtgc cttaaatgtt gatgtcactg anttccaaac caacttggtc ccanacccaa 300

gaatccactt catgctttcc tcctatgccc cagtcatctc cgcatagaaa gccttccatg 360

agcaactctc agttgctgag atcacaaaca gtgcttttga gccagcttca tgaatggnta 420

agtgtgac 428

<210> 16257
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-H2

<400> 16257

cactgtanta acgacggaga acaacgaacg aacgcnagag atcgngagag agagaaatat 60

ttaatggatc ggattctgaa agcagctcga acatctggtt cgctgaatct ttcgaatcgt 120

tctctcaagg atgtacctac tgaggtatat caatgtttgg aaacgaccgg anaaggagaa 180

aactggtggg aggctgttga tttgcagaag ttgattttgg ctcataatga cattgangtt 240

ttaagagaag atctgaagaa ccttgcctgt ttggttgtgc taaatgtcag tcacaataaa 300

ctctctcaac ttccagcagc tattggggan cntactgcga agaaatcttt ggntgtgtcc 360

tttaactcaa tatcagaact tcctgaacaa atttgttcag caanttcccc tgtccaagct 420

tacngttcan gcaatccggc ttnaanaaat tgncag 456

<210> 16258
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-H3

<400> 16258

tccccagaaa ttttcttccg ccgtaaaagc aaaaaaagat gcagatcttc gtgaaaaccc 60

taacggggaa gacgatcact ctcgaggtcg agtcctctga caccatcgac aatgtcaagg 120

ccaagatcca agacaaggaa ggaatcccac cggaccagca gcgattgatt ttcgccggaa 180

agcagctcga agacggacgt accttagccg attacaacat ccagaaggaa tcaacgcttc 240

accttgtcct tcgtctccgt ggaggtgcta agaagaggaa gaagaagacc tacaccaagc 300

ctaagaagat caagcacaag cacaagaang tcaagctcgc tgttcttcag ttctacaaag 360

gttgatggtt caagtaangg tcaacgtttg aaggaaggag tgccctaaag caanctgttg 420

gngccnggga actttnaggg ggaatccatt t 451

<210> 16259
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-H5

<400> 16259

gcttttccct cgccgtcgaa atcaacatgg cgccgaagaa ngataangtt ccgccaccgt 60

catcgaagcc ggcgaaatcc ggaggtggaa agcagaagaa gaanaagtgg ngcaagggaa 120

agcaaaagga gaaggtgaac aacatggtgc tgtttgatca agctacttat gacaagcttc 180

tcactgaagc tcccaagttc aagctcatca ccccttccat tctctctgac cgtatgagga 240

tcaatgggtc gctagcaagg agagcgatta gggagctaat ggccaaaggt gtgatcagga 300

tggtcgctgc tcactcnagc cagcaaatct acactcgtgn caacancacc taagatgttt 360

ggtttcctta tccacctaag atgtttggct cttttcctaa cncntgttgt ttggntcctc 420

aaggaacttg tnnnaatcct ttgttt 446

<210> 16260
<211> 51
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-H7

<400> 16260

tcctgctctg atgaaggcaa tgacacgaaa angacatctg ttgcaattca a 51

<210> 16261
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-H8

<400> 16261

actctctctc gctctcccaa aaactcatct ctcaccaccg tctcaaacca agttcgatct 60

aaaagccttt tcctttagat tctctccaac aacaaatctc tttgaatcac tcagtcatgt 120

cggttttact tcctctctgt ctgattatct ccatgttcac ctattcaaac gcagcgtatt 180

gtctttgcaa agaggggaac gagcaagtgc ttcagaaggc aatagactac gcttgtggaa 240

atggagctga ctgtacccag atccaaccca ccggagcttg ttaccaacct aacaccgtca 300

aaaaccactg tgacgtcgcc gtcaacagtt actaccagaa aaaagcttct tccggtgcca 360

actgtgactt taacggngcc gcctcccccc ctactaccct ccgtcaactg gctcaaactg 420

ttaactggtt aaggtcnatg ggaccc 446

<210> 16262
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-A10

<400> 16262

ntaagtttga agatgacttt aggatcgcat ggtccgatac tcatatcact caaattgacg 60

gaggcagagc cattcagctc aaattggacc ctagctcagg atgtggattt gcttcgaaga 120

agcaatactt gttcggccgt gtgagcatga aaatcaaact gatccccggt gattctgccg 180

ggactgtcac tgccttctac atgaattcag ataccgattc ggtacgagac gagcttgatt 240

ttgagttctt aggaaatcga agtggacaac cttacacagt gcaaaccaat gtgtttgctc 300

atggtaaagg cgatagagag caaagagtta acctttggtt cgacccttct cgtgatttcc 360

acgaatatgc catctcatgg aaccatctcc gtattgtctt ctacgtanac aatgtgccca 420

tcagggttta caagaacaat ga 442

<210> 16263
<211> 156
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-A11

<400> 16263

caccatctgn agagtcgatg nnagcgctga tttatgggac cgagtgtata cttgtcacca 60

atgcatgcat cactanaggt agcgcatgaa gatattctcg tccttaagac catacacatt 120

gaatgtacct gaagcctcna naaataggtg ccntgg 156

<210> 16264
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-A12

<400> 16264

gagtgaacac aggaatcatc aaaggtgctg ataccgcatc agcttcaatc cattttcctc 60

cattgtcgag taacaatgct agattgaaga tgggaaaggt agcaaaccga ggttgtgtcc 120

agagaagcta tggaagctca agatctcagt ctcagttaat gtctctatca cgactacttt 180

cttgcaacgc atcatcatct tcttctcctc ccgatagcag ctccagtgaa tacctcaaag 240

actccggcct ctgggaaaca ccggttgggg acatgagcgt ggttttgtcg ctgcaaattc 300

agacaaaatg ttctgatttg tttgctgaga ctcctgctgt gtcttgagtc tctcttcttc 360

tgtagcatta actcgagttc tatgcacttc aaaggcttct ttttttgggt ggacaagatt 420

atttgaattt tgttgaataa ccnaa 445

<210> 16265
<211> 52
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-A2

<400> 16265

tatgacgatt aaaccggngg ttcgtanttc cgacggggaa tctaatcatc ag 52

<210> 16266
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-A4

<400> 16266

nnnnnnngaa ntgnnntcnt ggccngnacc ggtccggana tanacgggtc gacgcacgcg 60

tccgcctctc cataaattta gttttgatcc ccctgggttc cttgaagaaa aaaacaccaa 120

ttccattcat attcttcttc atacgttcaa taattcttac gaggacgaga tcttcctaac 180

gtctttgatc ttcttcatta ggagataagt ctaaactggt cgaagatgtt gggagatttc 240

atcatcagac tccttgtatt gatattaggg tacacatacc cagcattcga atgctttaaa 300

acggtggaga agaacaaagt tgatatcgag gaactcagat tttggtgcaa tactggatac 360

ttttggcgct aatttcatca ttcgagaagg gttggcgatt tttttatctc atgggtaccg 420

ttatacggag agatgaaagt agcctccttc gtaaaacctc tnggtaccct aaacaaaggg 480

aacgagacat gtgtttgaaa 500

<210> 16267
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-A6

<400> 16267

aaattctctc attttcaaga aaatatctga aaaaacagaa acttaacaga agcagcttcg 60

atcaagagat ggcttcactt acttcaatag ccacgcctta cccatcttca tcgcaggctt 120

tgcgtctgaa atcctccgga aacactcttt tctctgccgg agttcgatcg gcagcaatgg 180

tttccggtca caaaacgctt aagattcaat gcacttcaac caaacctgcc aaacctgcag 240

ctgaagtcga ttggagacag aagagagagc ttctattggg agaaaagggt gagaaatgtg 300

gacgttaang aagctcaacg gttacaaaaa gaaaacaact ttgtgattcc tgatgtaaga 360

ncaagaaggc agagtacaag gngggtcatc ctccggggaa gctatcaatg ttggagatgt 420

ncaagactcc ataaaggga 439

<210> 16268
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-A8

<400> 16268

gaaaaaaaaa ggagaagaag accatcgttg ttctccgatg gctattaaca gaattgctca 60

tggttctctg tttctgacgg tagtcttgtt ctttctgacg gttaattacg gcgaagctat 120

atggttgacg attccgacga cgggtggaac gaagtgtgtc tccgaggaga tacagatcaa 180

cgtcgtcgtt ttggctgatt actatgtcgt cgatgagcat aatcctgaaa atacacctgc 240

tgtttcttct aaggtaacat ctccgtatgg gaacaatctt catcancaag aaaatgtaac 300

acatggtcag tttgcattca caactcaaga nactgggaac tacttggctt tgtttctgga 360

ttgattccan tcatcactta nccatcccaa naacccttgg ggttgattgg aanattgggt 420

att 423

<210> 16269
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-B10

<400> 16269

gttcctcttt ctcctttctt cactgtagaa tccgtcgacc aaacaactag ctccaatggc 60

ataatgagca ttgtagtttg caatttcttc ttccgtgaag aagaagaaga tggctttgga 120

gaaagaggaa gaagcgtcac aaaacggtgc gttttgtgtc cttgatgggc tctattgcga 180

ggaagaaacc gggtttgtgg aggacgatct tgatgacgat ggagatttag attttctcga 240

gaaatctgat gagagtgttg taaagtttca gtttttacct cttttggata tgttcttatg 300

ggatgacgat gagattctga gtttgatttc aaaggaaaac gaaacgaatc catgttttgg 360

ggaacaaatc ttagatggct ctttggtttc ttgtangaaa gangcttana ttgggttcct 420

aaggttaaat ctcattaagg 440

<210> 16270
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-B2

<400> 16270

nnnnnngant ggttctttgg cngcccggtc cgganatana cgggtcgacc cacgcgtccg 60

catncatcag ggccctgtgt tctctgagtc aagtcaggaa ctgatgaata accctgtacc 120

gtgtcagtcg gtctctggtg gcaattctgg tggttatttg tttccttctt cctctggata 180

ctgcaatgtt tcagctgtct tgcctcatgg aaggaatttg caaaaccagc cacctgtttc 240

caccgtgcct agagacagat tggctatgca ggattgtcct ttgatagctc aatcctcgtt 300

gattaatcat caccctcaag agttcataga tccacttcat gagttctttg atttctctga 360

tcatgttcct gttcagaatc tacaagcaga gagtantgga gtaagggtgg actcatccgt 420

ggaacttcat aagaaaagtg aatgggcaan aattgggcaa attanctgaa tttctgttta 480

acaanggtct ganccaaaa 499

<210> 16271
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-B3

<400> 16271

ttgaagatgc ctccaaagca acaaccaaag gctgatttgg cgaagaagca gaaacaagtg 60

gaagacaaaa ctttcggatt gaaaaacaag aacaagagca agaatgttca gaagtatgtt 120

cagagtctca agcaatctgt tcagcctaaa cccgatgcaa ctaaagctgc agctaagaaa 180

aagaaagagg aagagaaagc gagagaacag gaattgaatg agttgttcaa ggtatctatt 240

agtcagccca aagttcctgt aggtgtggat ccaaagtcta tactctgtga gtttttcaag 300

gccgggcagt gtcaaaaggg tttcaagtgc aaattctctc atgatttgaa cattcaaagg 360

aagggtgaga agattgatat ttacagtgat acgcgtgatg aagatggaga tatggatgag 420

tgggatnaag anaaccntga aa 442

<210> 16272
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-H1

<400> 16272

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tcaattgggg tttttaatcc ctagaatcag tagaaaatat cgatcattga gcttcgattc 180

tggtctccgt ttgattgttt cggacaatca gagctttgag tctccgaaaa ggttggttat 240

gtcatcttct gttccaaact cggaccggaa gattgttact ggtcccgccg gttatattct 300

tgaagacgtt cctcatttct ccgacgactt tcctgatcat cctacatatc caaatccatt 360

acaagacaat gcagcttaac tctgttgtta agcaatantt tgtcgatgaa ggatgacacn 420

ggntcctcaa aaaaataata gttcaacccg gaaagtcc 458

<210> 16273
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-F11

<400> 16273

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tctcatttat tcgtttcgtt tctgctgttt tgagtgtcgg gttcgtttta gctgtaatct 120

ttttttccgg cgttcgattt gaaaaaatcc ggggaacagg tgatcggaat cacggctata 180

cacgggatat cacggggtgt tagctcacat gtccatattg tccgacagaa gggttgttta 240

atcgaaacta atcctttgcc gcacggagga cgtggagctc tgccgtctga aggcggcagc 300

ccttccgatc tcctctttct cgccggtggc ggttccagct ttaacttctt ttcctttaag 360

ttttaggagt tagggtttgt taagtggttt tttcccttcc ntccttttt tgggttgctc 420

cttgaatccc ctttttc 438

<210> 16274
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-F2

<400> 16274

ccccnaaagc cgacgcacct tatcctctcc tctttctcca caggcaaagt cctccaattc 60

cgccgctccc gtttcagcca cacaccgtcg tcgtcgtcgt ctcgttatcg gactctcgta 120

gctcaactcg ggttcagacc agattctttt gatttcatca aggaccatgc cgagaatctg 180

ctgtacacga tcgctgatgc cgccgtttcg tcctctgaaa cctttgaatc tgtcgccggc 240

actactacca aaacgaccca nagcaatgat tggttctctg gtattgctaa ttacatggaa 300

actattctca agggtttgaa agatgggtta tcaactgtac atgttcccta atcctaaggg 360

ttcgctatca atctattgac tggtgcntgt taangntgca agttcccatt gacgaaaaaa 420

caggtnaatc tgcaagggta tgaat 445

<210> 16275
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-F4

<400> 16275

ntgtagcgcg cgggtccgga anccgggcga ccangcgtcc ggggacttna angcccccc 60

caagagnaac caagggttna gaatncgtac aggagaagat cgtctccgat cagaaccact 120

accggnggtt caaagtccgt taatttcncc gaactacttc aaatgaagta tctcagctcc 180

ggtacgatga agctcacgag aaccttcact acttgcttga tagtcttctc tgtactagta 240

gcattctcaa tgatctttca ccaacaccca tctgattcaa atcggattat gggtttcgcc 300

gaagctagag ttctcgacgc cggagttttc ccaaatgtta ctaacatcaa ttctgataag 360

cttctcggag ggctacttgc ntctgggttt gatgaagaat cctgccttaa tangtancaa 420

tcagttcaat accgtaaacc ntcaacctta caaagccatc ctcctaacnc anctctaagc 480

ctannaacta ngaaaaggt 499

<210> 16276
<211> 324
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-F6

<400> 16276

acttcaaata gattactttc aaagaanaga gagagaaaga aagatggaga agaacatgaa 60

gtttccagta gnanacttgt ccaagctcaa tggggaagag agagaccaan ccatgggtcn 120

aatcaatgaa gcttgtgaga attggggctt ctttgagata ctgaaccatg gattaccaca 180

tgacttaatg gacaanatcg anaagatgac aaaggaccat tacaagacat gccaaganca 240

aangttcant gacatgctca agtccaaagg tttggctaat cntgagacag aagtcgaana 300

tgtcgattgg ganancactt tcta 324

<210> 16277
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-F7

<400> 16277

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caccccaaa tcagcanaga tagggttaat cgaggaacct caccgtaagt ccactgagga 120

ttcaagttct tgctttggtt taaggaagaa gaacagcana aacctcaagg agaagaagaa 180

gtcaaagatg actcagagtc aaaccaacga cngagctgga gctggagctg ttacgacggt 240

agaatctgtt cctcctcagc ctcaatctca ngcctcancc tcagccgcag caagcaganc 300

aacgaagatg gttctgcata cgggaagctt gagtttnagt agtcatatgt cgagagaaga 360

ngaannngat gactcnttcg gtctttcggc gtttaanagc taaagaagat gagattgann 420

aacnng 426

<210> 16278
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-F8

<400> 16278

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actggaaact tgcggaccac cccaagcttc ccaaaggcaa aactatcggt ttgattgttc 120

tcgatggatg gggtgaatct gatcccgatc aatacaattg catccataaa gctccaactc 180

ctgccatgga ttcccttaaa gacgggaagc ccgacacatg gaggttgatc aaagctcatg 240

gtaccgcngt tggtctcccc agcgaagacn acatgggaaa cagtgaattg gcacaatgct 300

ccttgganct ggtccaaatt anncccaagg gtnctaaacc ttgtngatnt cgcccttgct 360

tcanggaaaa atcctangaa agaatgaang gttcaaataa catcncccca aatccntttg 420

nnaaanggaa ctgttccanc ttta 444

<210> 16279
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-G1

<400> 16279

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ctagatatga atcctcagtt gagggaaatg atgcagaacc ctgatttcct tcgccagttt 180

agctctcccg agatgatgca gcaaatgatg tctctacaac aatcactttt ctctcagaat 240

aggaacacgg ctggccagga tcctacgcaa actggtgctg cgacagggac agccaataac 300

ggaggactag atttattgat gaatatgttt ggcagccttg gtgctggcgg gctaagtggc 360

acaaaccaac caatgttcct cctgaanagc gatttgcgaa tcaattgcaa caanttgcaa 420

gaaatnggat tctacgaaaa ggcaa 445

<210> 16280
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-G11

<400> 16280

tagatagcgt tagagattct tctgcacata actttgagtt tggagaagct acagctgatg 60

tgatacgtag gaaaagatcc ataagaagtg aatctagtac aagaaatagc gcattacgca 120

taaggttggg ctctggatct gtagacaaaa taaagaaaca agggattcct tccacaagcg 180

tgtatgatga tgcatcactt gaagaatggc cttctacctc aaaagctggg tccaggtcta 240

gatctgcaag cgtcagcaaa ccaagtcttc atactgggat aagggttgaa tagtgtctca 300

ggaaaaaatc tcatggttat tgttgtctga acacgaggaa ggctgccgtt atatacctca 360

nctaggggga tgaagttatt 380

<210> 16281
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-G2

<400> 16281

ngccaaccga gcaggaaaac tcacgccagc atctcaaaaa gtagtggagg aaaaatctgc 60

ccaaaaccac gagaaggcgc aactccgacc caataaaaca gaggcttgca tagccctgtt 120

taagtgtgta acttgagaat tgtcagccca agtcactctc ccatcgttct gtacatacac 180

agcttttgat gagaggaaag agataagatc atgggagaaa cagaacacaa ngtggttttc 240

agataaaaga gttgcttggt tcatcgatca atcaagaaga gaatgaagcc atattggcgt 300

ctctctctgc cttcattgtt gttgttantt atgttagcca tccttttttt gnccatgact 360

ctctggagtt ggnttcgtaa atgtatcggt aagtaatggt aataatttaa gtttaaatga 420

aactcnctcn naggggtaaa tttgncaaac cttttt 456

<210> 16282
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-G3

<400> 16282

ggaaatggct tgcaccgtag atttccggtg ccttgacgaa ggattcggcg gcaaaaccta 60

caaacgcaaa cgcgaatctc aagaacaagc cgccgccgaa gcaatcgccg atgaagcttc 120

catggacatc gatggtgctc ctcctgccgc gaaacgtanc gccgtcgctt cctctgaaaa 180

tccagacaaa cctattgctc tagctgtcga gagaccaacc tacgacggtg taatcgccgg 240

gaaagtctcc ggacggaact ggaaacagcc gcgaactcat agatcttcag ggaggtttgt 300

gaagaacagg aaaccagatn tggaggagat gaagaggcaa anggaganta agaaagcgta 360

taaggagaag gtgaatgagc tgaaaggaag agattaggat taataanggt ttanaanaag 420

ganaanaagg gannnanana naaac 445

<210> 16283
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-G5

<400> 16283

aaaaaaaaaa aaaaagagtt tcttcatcgg tcttcgtctc gtcgtttgat tagttctcta 60

catttgtttt tgattagttc gcgattcatt tctatcttgt ctccggtcaa tatttttctt 120

cgatccgtcg atcggatatt ttgactggag atttaagaag tctgaaattg ttagatcgca 180

gctatgtcgt actctgactc cgattcgtcg tctcatggtg gcgagtacaa gaatttccga 240

cagattacgc gtgaacgact cttgtatgag atgcttagat ctgcaaagac agggagctca 300

aaatccacct ggaaggtact aatcatggac aaacttactg tcaagataat gtcgtacgcc 360

tgcaaaatgg ctgatatcac acaagaagga gttcattggg ttgaagacat atttanacga 420

agacaaacan ntccntcaan gggngg 446

<210> 16284
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-G6

<400> 16284

gaaaaaatgg cgtctggttt gatcggaaga ttggttggaa cgaaaccgtc gaaattagcc 60

acggnggcga ggttaattcc ggcgagatgg acctctacag gagcggaggc ggaaacaaaa 120

gcttcctctg gcggcggaag aggatcgaac ttgaagactt ttcagatcta tcgatggaat 180

ccagataatc cagggaagcc agagcttcaa aattaccaga tcgatctcaa agattgtggt 240

ccaatggtat tagatgcttt gattaagatc aaaaacgaaa tggatccatc tcttactttc 300

cgtagatcat gccgtgaagg gatctgtggt tcatgtgcta tgaacattga tggatgtaac 360

ggacttgctt gtttgacaaa gattcaagat gaagcatcgg gagacnacga ttacaccgtt 420

gcctcatang tttgtgaata aagnntt 447

<210> 16285
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-G7

<400> 16285

attgttgtat tggttaagaa acacagccat tgaagcgatg ctatcatcaa ggttttcctt 60

tttggggatc ggcagttcca gtgaagtcaa tgactccgtg ggtgtttctg gaagcaagat 120

caaaccatct ctaagtgttc aaacggataa agatgtgtat aggcctggag attccatttt 180

tgtaactatt gaggttgcta attctcatga caacgcctct aatccctcca ttttggttga 240

aaagcttagt tttgaggtta aaggtctaga gaaattggac attcagtggt tttctactca 300

aaaaccttca ccaggaagca aaggacgaan agattttcan gtgaacacat cttcctaaga 360

cagttcaaca ccatcctttg atttcaaaat caaatcctaa cccctggtgc naaagatgac 420

attaaagggt tcaancaa 438

<210> 16286
<211> 236
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-G8

<400> 16286

gaacgaacga acgcnagaga tngagagaga gagaaatatt tangtggatc ggattctgan 60

agcagctcga acatctggtt cgctgaatct ttcgaatcgt tctctcaagg atgtacctac 120

tgaggtatat caatgtttgg aaacgaccgg anaaggagaa aactggtggg aggctgttga 180

tttgcngaan ttgattttgg ctcataanga cattgangtt ttaanagaan atctga 236

<210> 16287
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-G9

<400> 16287

ttcgagtgtg agtggatnca ggagagagaa ttagatattt ccgacncgag gcaaattcct 60

agnggctcat ggcgtcatca tctgatcaca cggcgaatat aatcgacggc aaggcgattg 120

ctcanancat cagatcagan atcgccgagg aagttcgcgg tctancngac aancacggca 180

aggtcccagg actagctgta gttantgtcg ggagccgaan ggattcacag acctatgtga 240

atacgangag gaaagcgtgc gctgaggttg ggattaagtc atttgacgtg ggcctacnag 300

angaatttct gaagctgatc ttactagcaa agttcatgaa ctaaattcaa tccgggatgt 360

ccatgggcat attattcact cccattgccg anacatatta atgagganca tatattgngt 420

caatcacat 429

<210> 16288
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-E9

<400> 16288

gaaggagcaa gcgacagaca acgccatcct tgagcanatt cgaaagatgg ttgaagtaca 60

gattccncaa tctttatttg aggaacaagg aagacagttt tanggagcta ggcttctaga 120

gattcangga aacatgaagc ttaacgaaga ccagttggnt tctctttcaa gtcaaaaagc 180

agtaaatgag tttctagatc tcaaagatag agcatcacca acataatcaa gcanaatata 240

nctgttggag atatcttcaa gcgcgaaaac ttagagttct caacagatga actagttaaa 300

gaggtcgana actcgatctc agaattcaag aaacataaac aagagttcga cgaggagcgt 360

gtgaaagatc aggtacaaga gantttagaa ggagcaaaag tgcttgaatg gttaaaagac 420

cga 423

<210> 16289
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-C5

<400> 16289

agcaaccgcc gcaacaacga cgtcgtctca ccttcttctc tcaagctcac gtcacgtggc 60

atcatcatcc cagccttcaa tcctttcacc gagatctctc ttgncaangg ngggaaacga 120

gcaccaactg gagtgaggaa ccatcagtat gcgagtggag tgaggtgtat ggccgtagcg 180

gcggatgctg ctgagacgaa aacggcggcg aggaagaaga gtggatacga acttcaaacg 240

ttgacgggct ggttgctgag acaagagatg aaaggagaga tagatgcana gctgacgata 300

gtgatgtcca gtatatcatt gggcttgtaa gcagatngct tcactttgtt caacgtgccg 360

ggatctctaa cctgaccgga gttcaaggng ccgttatatt cagggaaaag atnagaanaa 420

ncttgactca tcctaaagg 439

<210> 16290
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-C6

<400> 16290

gcccacgcgt ccgctcactc tctccgtagt ctgagactcg ccggaaaagc ttgtattggc 60

ttctcttcga tttctggcgg aagtaaggat atcacgtgag ctatgaagtt cnncatgcaa 120

tccatttctg ggaggaatcg atctctggtt cgagctctag ttagtcggcg ttacttcgct 180

tcatcgccgg aggaaatcgc aaagagaaat tacgccaacg atctgtcgga atacaacacc 240

gctgtcaact ccgtcacagc tcagcgcagg cactatttgc tgagggatgt ttatgatgat 300

atgaagcttg atggtgtgca gcctacagct gatatcttcc attcatttgt cgtgggaacg 360

atgaagggtg ctcggttaag cgatgcgttc tttttccggg aagaaatgaa agccatgggg 420

attgctccag atgtnaactt g 441

<210> 16291
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-C7

<400> 16291

gcaattcgta tcggtttaaa gtaaaaaagc aatgggaggt ggtaaagaca agcatcatga 60

tgagcaagag aaaggatttc atggttttcc aggaggtgga cagnacccag gngctcaagg 120

aggttaccct cctcaaggtt acccaccaca acaagggtat cctccagctg gaggctaccc 180

acctgccgga tatcctcctg gtgcttaccc tgctgcgccc ggtggttatc ctcctgnanc 240

tggaggttac cctcctgctg gctatcctgc acctggagct caccattcag gacattctgg 300

tggtggactc ggacgcatga tagcaggtgc aactggtgca nccgcagcan cttatggagc 360

tcaccatgtt ggtcacgcct ctcacanccc ttacggcatg ctgtnaggac aatggagggt 420

atnggcatnc ccctgncatg gg 442

<210> 16292
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-D11

<400> 16292

caangctctt gctctgggtc ttcatgggac tctttgctgg ttacgcctct tcacgtctct 60

acaaaatgtt caaaggaaca gagtggaaga gaatcgcttt cagaacagcc ttcttgtttc 120

ctgcagttgt gtcagcaatc ttctttgtcc taaacgctct catctgggga cagaagtcat 180

ctggggctgt ccccttgga acaatgttcg ccttgatctt cctctggttt ggcatctcag 240

ttcctctcgt ctttgttggg ggttacattg ggttcaagaa gccagcggct gatgacccaa 300

tgaaaaccaa caaaatcccg aggcaaatcc cagagcaagc ttggtacatg aacccggttt 360

tctcaatcct cattggagga aacctaccgt tttggtgcan tcntcatcga gctcttcctc 420

atcctcanat ccaa 434

<210> 16293
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-D12

<400> 16293

gcccacgcgt ccgaaagaat ggcgcgaaaa tccctaattt tcccggtgat tttgctcgcc 60

gttcttctct tctctccgcc gatttactcc gccggtcacg attaccgcga cgctctcngt 120

aaangcattc tcttcttcga aggtcaacgt tccggtaaac tccctccaga tcaacgctta 180

aaatggcgcc gtgactcagc attacgcgac ggttcctccg ccggcgttga cttatccggt 240

ggttactacg acgccggaga caacatcaag ttcggttttc cgatggcgtt cacaacaacg 300

atgctttcat ggagtataat cgatttcggt aaaaccatgg gacctgagct tagaaacgcc 360

gtgaaagctg ttaaatgggg aacagattac ctccttaaag cgacggggat tcccggagta 420

atctcgtcca aatcgg 436

<210> 16294
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-D2

<400> 16294

ccntgggctn aaatctnctt tncaaatttc aatggcgtcc ggtgatgttg agtatcggtg 60

cttcgttgga ggtctancat gggccactga tgacagagct cttgagactg nggntcgcgg 120

gntacggcga cgttattgat tccaaggtct gttacacgcc gagatcggac tccgagtgat 180

atccatgatc tcatcctcga cggatctgtt ccgatcttgt gtttctctgt tacttgattc 240

nattacnctg ttactattct cgttctttgt tactactact actactactg ttacttgtat 300

tttcccaaat ccggtacgtt catcttcctg cttccgtnaa ccccggagat cnaatcggat 360

ttttttggta atttggaaat ttggttgtan atcaaaatgc tttgtcantt ttgttggatt 420

ggtttgccna tcgggttttg gannaatt 448

<210> 16295
<211> 101
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-D4

<400> 16295

gntaagnggg ttnatcatga taatacacac aaagagaaag gacgtcaaaa ggtacatggt 60

gccggttctg atgatcaaga cancaattca anaagaacta a 101

<210> 16296
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-D6

<400> 16296

gctttttaa aaaggnttac tactgtttac ttctctgaat gcgttcactg cttcaccgta 60

ctatcttact cacatctccg tctcattctc ttatccggcg cactnctctc nnngccatgg 120

ccaccaccgc ctcctcttcc ttgctcctcc cttccatatc tctcaacaat ctctcctcct 180

ctaaaaatgc ctcctttggc ttcgccgcca agaatctcag ccgatctagg atttctatga 240

gcgtctctgc tggatctcaa gagtactact gttcacgatt ctctgttcgc tgattacaaa 300

cccacctctg cttttctctt tcccggtcag ggagctcaag cagtaggaat gggaaaagag 360

tctcagagtg ttggagcaac tggagagttg tataagaaag ctaatgatat cttaaggtat 420

gatctttgga tattgtgtt 439

<210> 16297
<211> 434

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-E11

<400> 16297

nctgtgttca aaacaagttc attcgatcta tagagacgaa acaaaaagag agatcgtacg 60

caaaagtttc cgatatggct cgctcgtttg gagctaacag taccgttgtg ttggngatca 120

gcttcttcgg atgtttattt gcgttgtcct ctgcaataga agaggctacg aagttaggat 180

cagtgatagg gatagatctt ggtactactt actcttgtgt tggtgtttac aagaatggtc 240

atgtcgaaat tattgccaat gaccaaggaa accgtattac accttcatgg gttggtttta 300

ctgactctga aagactcatt ggtgaagctg ctaaagaatc aagcagctgt taatccagag 360

angactgtct tcgacgttaa ganattgatc gggcgaaaat ttgaggataa aggaggtcaa 420

aaaggatang aaac 434

<210> 16298
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-E3

<400> 16298

aagcgataga agaanacaat ggaaaaagac gttgatgaag ttggaagtat tgcccgtttc 60

ataaagggga aactcnagga gttggacaga gagaacttgg caaatagaca aaaacctgga 120

tgtgnaaaag gatctggtgt ggatcgatca agaacagcaa caacactttc cttaaagaag 180

aagttgaaag acaagatggc cgagtttcag gttctacgag agaacattca acaagagtat 240

cgcgatgttg ttgataagcg antttataca gtaactgggg aacgggcgga tgaagatact 300

attgatgaat tgattgaaac tggaaacagc gaacagattt tccagaaagc cattcaagag 360

caangganaa gacagtaatg gacancttgg cngaaatcca anaactcatg atccttcaga 420

aaccttggaa anaaacntcc ttgacttaca acaaa 455

<210> 16299
<211> 455

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-E7

<400> 16299

ttttagattt tgagctctgg aatggagaaa agtatcaatg gatcatgcag actcatcaag 60

agactcgtga ttatactttc ttgtctttca tattcctttg ttcgatcaga cnngacagng 120

agaacaaata tcaattatgt atcagctgtg ggagatcccg ggatgagaaa cgataactta 180

agggtggcta tagaagcttg gaaccaatgc aacgaggtcg gtgaagaagc tacaaacatg 240

ggaagccctc gaatggcaga ttgcttcgat atcgataact ctagctttcc cgtgaagata 300

atccacaaag tcgacgaaag agacaacagg cttggggtan gaaatgggaa cctacggagg 360

aataagcgct gggagacaac gcagatatct acgcaacgca aaaaggaggt atacttanga 420

aacaaatgtc anntgtgggc aagccaaatc catgg 455

<210> 16300
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-E8

<400> 16300

tcgtagtggt cacgagatga agaagacgtt gacgtggtgg gatctcatgt ggtttggtat 60

cggtgcagtc atcggctctg ggatattcgt tctcactgga ctcgaagcac gngggtcann 120

gnggtccagc cgtcgtgttg tcttacgttg tctctggtgt ctccgccatg ctctccgtct 180

tttgttacac cgagttcgcc gttgagattc ccgtcgcatg cggttctttt gcctacttaa 240

gagtggagct cggcgacttc atggccttca tcgccgcggg aaacataatc ctcgaatacg 300

ttgtcngtgg agctgccgtg gctcgatcgt gggacctctt acttcgccac tctcttaaan 360

cataancctg aagacttccg catcataatt cacaaactcg ggcgaagact aaanncacta 420

natncaataa gccgtccggn gtttgngcca ng 452

<210> 16301
<211> 52

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-F1

<400> 16301

ctccagngtt cattttgctg atggagattt ggtcaaggga tgttcanaag tt 52

<210> 16302
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-F2

<400> 16302

gnaaaaaccc nncaggannc aacaaanctt caaaancaaa tnccctggng gtgaattatg 60

acaacntaaa nccttttcatt caacgaatcg ctgatggaga atcatctgat atcgtcnngg 120

ctcaggncat cacagaactc ctcactagtt cggggacttc tgcaggaaag ccgaagttga 180

tgccttctac agctgaagaa ttggaaagga agacattttt ctacagcatg cttgtgccta 240

tcatgaacaa atatgtggat gggctagatg agggaaaang gatgtatctt ctattcataa 300

aaccagagat caagactccg tcaggtctaa tggcccgtcc tgttttgacc aagctactac 360

aaaaagtcaa caatttcaag aaacnagacc attcaacaag ntacaacngt ctacaactna 420

nccctgacca agaccnattc ttttgtcaag aacaggcaag caagaagcat g 471

<210> 16303
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-C3

<400> 16303

aaagagaaag gcactatgac aatgcaggat ttganggtga ttgatacttg tttcttattg 60

gtcttcataa gtgtcaatag gaatagagtt gtttcacacc ttatgttgcc tcaaatgagt 120

atgcgtagtg tccattatca gctactctat gcattcttac agcttcaata agagttgttt 180

catgatatta ggcactcgat gctgatggaa tggatatgga aattgacttg tcaaacctcg 240

ggaccgtaaa taccatgttt gcagcattgt tcagcaaact aggtgtgcct atcaagacta 300

ctgtatctgc taatgttctt gaagaggcta tgaatggaac tgttacagtt aggcctcttc 360

ctattggaac atcagttaat gggaangtgt gaacatcact acatcagtta gactatcctc 420

ctaactcagt ttgttagtan ttggaantga ag 452

<210> 16304
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-H6

<400> 16304

gtgnggaatg tcnntctcnn tctggnctac agncctgcnt tcgccggtcg ccccacgcgn 60

ccgcaaacgc gtgggcggac gcgtgggctg aaacttttgc cttgcttgct tgcccagaaa 120

gtcgccgaga aagttaaaag tagaacggcg gagaaaaaaa aaacgaagag gaagaggaga 180

gatggagtcg cagaagaaga tagctcatga gatcggaggt atgaagaacg atgctcttcg 240

ctttggtctt cacggcgtta agagcgatat ccttagatct catcctctcg aaacggctta 300

cgaatctggg aagcaatcac aagaagaaat gaagaggaga gtgatcacgc atacttatgg 360

agctgctctt cctttgaaga tggatcttga tagacaaatc ctttctcggt ttcagagacc 420

tcctggacca attccttcat caatgcttgg ccttgaagtc tacacaggag ctccaaataa 480

ttttggnttt ganggattac ttgaatga 508

<210> 16305
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-H9

<400> 16305

tncctggnct ctagctgccc ggntatcccg gntacgaccc acgngggccc gcacaaaccc 60

cataaaatta acanaaaacc aaaagaaggc ggcgcaaaca aaagataatg caaccagaga 120

cctcagatca gatgttgtac tcgtttcttg ccggaaacga agtcggcggt ggngggtngg 180

gcgtctccgg cgactacatg acgactatgc agagcttatg tgggtcttcg tcgtcnacgt 240

catcgtatta cccactggcg atctccggca tcgganaaac gatggctcaa gacagagctt 300

tagctgcttt gaggaancac aacnaagctg agagaagaag gagagagagg atcaantctc 360

atctcaacan gcntcgtaac cgtactcncc ttgttattct aaggnccgat taaagcccac 420

nctggctcgc caaagtangt tcaaccgaag tcagagaanc ttanancngc a 471

<210> 16306
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-A10

<400> 16306

aaagagtggc tgtctgaaat gattttggcc ggaaagagat tctgtggaga agaatggtca 60

aaattgaaag tgaaatatcc aacatttaag gacgagaatt tgcnncggta gtgcttctca 120

tcagcatata ttatctcaat gcttcatgat agtcttggtg ttgctcttga tgatgaaaga 180

atcaagtatg caagtaaagc aggagaagaa gacataccac tagattgggc attgggtgct 240

tttatcctta atactgccac agccactttt gattacagtg gtaaatctag aaaaattctt 300

gacttgagta atgtagccaa atacaaaata tgacatttgt tactatataa aacaaaattg 360

tttcagataa aanaaannaa nnna 384

<210> 16307
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-A3

<400> 16307

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naatnntcct cctggatttg acncnctcga gtcncgtcga tttcctccgg gaggagactt 120

gaaattcgtg actttccgat tgtgaattcc ccgatggatc tgcctagcct cgctttaatc 180

gttggcgcgg ctgctttcag tcccaatcct gacgagngca gagctgctga ncagngcctt 240

aatcagttgc agcacactcn acagcatttg ataaggatat tgcaaataat tgttgatggt 300

ggctctgatn tttctgtacg ccaatctgct agtatccatt tcaagaattt cattgctnan 360

cactgggaac ctcattccgg tgaccagaac ataatcttgc caagttgata agaatgttgt 420

caaggaanca nattcctgna tttgtctctc aaagtgcccc cgattttgag agttcaaatg 480

ggagagttcc tgaagaccat natttacccg ggcg 514

<210> 16308
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-A4

<400> 16308

gcccaaccct tccgagtcgg ctcttgctac ctaaactttt ctcaatctct agaacacagg 60

ttccagctgc atcattgttc aataatctgt acagacgtca caaacgtngt gttcagtgga 120

cgagtaagat gtcaacagat agtgttagat catccacaac tggtggttct gcttctggag 180

ctagaacatt ttgctccctc gcagatttat caaccaaaaa gtgtgtgcca tgcaatgcga 240

aggatctgcg cgccatgacc gaacaaagtg cccaagacct acttcaaaag gttgctggat 300

gggatttggc caatgacaat gatacattaa agctgcatcg gtcatggang gtgaaaagtt 360

ttacaaangg gctaaatttc ctccaacggt gtagctgata tccctgaatc agaaagncat 420

caaccaaatt tgcatctggt cnggtgg 447

<210> 16309
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-A8

<400> 16309

ttaccggtta agactcaacg gtaacagact cgcggggaat attccggcgg agattgggaa 60

tctgaaaaat ctcaacttca tcgatataag tgagaatcgt ctcatcggnn acattcntcc 120

ggagatctcc ggttgtacaa gtctcgaatt cgtcgatcta cattcaaacg gtttaaccgg 180

tggtttaccc ggtacacttc cgaagagctt acaattcatt gatttatccg ataattcatt 240

aaccggttct ctaccaaccg gaatcggatc gttaaccgaa ctcacgaagc tcaatctcgc 300

gaagaatcgt ttctccggcg aaatccctcg agagatatct tcctgtcgga gtcttcagct 360

tctcaacctc ggcgacaatg gcttcaccgg agaaatccct aacgagttan gacggnttcc 420

gtctcctgcg atntctccaa atcctca 447

<210> 16310
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-B10

<400> 16310

tgcttacgtc gtcagatctg ctcgtttttt cgctccattt ttgggtcacc attactcagg 60

cttccgtttt aaatatcaca ttagatggac gaaagcggag gtgngagtgg gtcagtggcc 120

acacctgttc aacagcgagc acatgaggca tggaggattt accaacacta tcttgacaag 180

actacacctc atgcaaatta cagatggatt ggaactcttg tcgtcgctct tatctactgt 240

ttgagggttt actatattca gggtttctac atcatcgcct atggtcttgg aatctacctt 300

ctcaatctgc ttatcgggtt cttgtcccct cttgttgatc ctgaanctgg nggggtctct 360

gatgggcctt ctctgcctac tanaggttct gatgagttca ancctttcaa tcgcgtcncc 420

ccg 423

<210> 16311
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-B2

<400> 16311

tcgaaagaag aaggatggtt ctccatgctt ttgggaaaag gtaagagttt atgagagatt 60

gagattatta caaaaaatct aaacttttt tttgtccatt ttttctcgga gggaattagn 120

cttcttcatc gattttccgg tggtttggat tgtcaacttc atcttcttct tctctttctc 180

ctttcatttt ttttcttgtg tttcttcttt tacgtgggtc cttcaatctc catgaaggac 240

ccgaccattg cttaatccta aacaaaactc caaaaatcta attcttttcg atctgtttta 300

tcttcaaata ataatactct ttgattgcca aaaccgattt tgatcatcat caatgcactg 360

ttttccgtgt ttcccctccg ccaaagaaca agaaatcctc aactacgaat gnggacaacg 420

acaacaacga anccananca agatgntagg 450

<210> 16312
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-B3

<400> 16312

attggttggc tccccaagca naatcgagct tcttaggtct aactcggtac ccccaagact 60

tgctcaccac ttcatgactc gctcttctct cccttctttt tcaactaaag gngntaangn 120

gcagcaaaac gatgttcaaa gagctgctgc tgctttgatg ataggagatg aattgcaaga 180

agcttggaag atggagacct gaaaggattg atctttctgc tatggcttgt ccancttcaa 240

gacagatcta tctgacattc cctgccgaca gtaggttcag ggaggaagat gtgtccaatt 300

acttcagtac ttttggacca gttcaagatg tgnggatacc atatcagcaa aaagagaatg 360

tttggttttn gtgacatttt gtgtaccctg aanactgtta anagcaatcc cccccaaang 420

gaaatcccaa cttngngtgt gantccanaa nttcttg 457

<210> 16313
<211> 310
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-B8

<400> 16313

gcccacgcgt ccgcccacgc gtccggcaca tttgaggcac aactacataa cggtgttcac 60

aatgacagcg atggagatgt tgagacgatt tcaatgggta tttttcagag tagagangga 120

gtgggncaag atcactaaat cacatccaat gggtgagatt tcacttgaag aagataaact 180

acttggttct actacacctc atgatgttta gcatccaact atttttgttt atttcctcta 240

atcctatgca aaattctggt tttcctaaaa aaaaaaaaaa taaangnana aaaaanaana 300

nanannaaaa 310

<210> 16314
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-B9

<400> 16314

gnggnnnnnn gnngtaattn tttngnccgg ccgtancggt aaggaaantn gtcgncccac 60

gcgtccggag aaaggctgat aatgttaatg caaagaaacc tgaaatctgg gttccaggtc 120

aaacgagaaa tcctgaagca tatgttctga aagaccagga atcaagatat cgtcagcgtc 180

atcntgatat gattttgaac gtggaggttc gtcagatatt caggactaga gctaaaatca 240

tctcctatgt ccgcagattc ctcgacaaca aaaatttctt ggaggtcgag acacctatga 300

tgaacatgat tgctggtgga gcagctgcta gacctttttgt gacacatcac aatgatctag 360

atatgaggct gtacatgcga atcgcacctg aactctatct caagcaactt attgttggtg 420

gcttggaacg tgtttacgaa gataggaaag caattcagaa acganggtat agacctgacc 480

cacaatccgg gagttcanca cttgcg 506

<210> 16315
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-C1

<400> 16315

cttttgactc cgtcgtaaca aagaacaaaa cttccgtatc ctggagagta aattccttta 60

tggctacgaa tgggttaatg gcgtcgtcca gtgtgtttct tcatcgcccg cgtggcgcat 120

tngcttctag aacgaatcag actgtaggaa aatacggtaa aggccgtgtt agtttcatgg 180

gcattgggac acgtcgtctt ccggtggttt tatccatgac ggcgatggcg gattccggtg 240

aggaggccgt gaaatctgtt ttgcctggaa atggcatatc catcatggtg aatggatgta 300

ntggcaaaat ggggaaagct gtaattaaag cagcagactc tgcaagagta aatattgttc 360

ccatatcntt tggatntgcc ggtgaagatt ggtcanagaa ttnaaggcct gttggnaaag 420

gagattactg tgcaccggtc caactgaaaa aagaaa 456

<210> 16316
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-C11

<400> 16316

tcagtattga tgtggaaaaa gccaaaagag ttgtccatga tctcgctcag agtagattat 60

cgaattcgct ggtccaagcc gtggcattac tcaggcagag aaantctaaa ggagtggtct 120

tgtcgctgaa tgatttgctt gcatgtgaca aagctgtgcc ggctgagcca atgtcatggg 180

aggtctcaga ggaattatct gatctatatg ctatttattc aaagagtgat cccaaacccg 240

caccggaaaa agttttgagg ctacaatatc tgctgggaat agatgattca actgcaactg 300

ccctccgtga aatggaagat ggagcattat cttctgctgc agaagagggc aatttcgtct 360

tttaaatctt tggagaaatc acttgagtta tatgtattgt gttacggcca aggtggaaaa 420

a 421

<210> 16317
<211> 327
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-C12

<400> 16317

cgtctntttg nnngccggtc cganataacg ggtcgacnca cgcgtccgga ntgatgatta 60

ttcaaataat gtttgtatgg ttcgttagag aggactaaag tttcttatca atttaaactc 120

tttttgttgc aatttatgta ttaaatcatt gtttaataga ttggggatta gtcaaaaaaa 180

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggggggg ccccccaaan 300

ggttcnaanc tnanttnccc ntnaatg 327

<210> 16318
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-H3

<400> 16318

gtnnngcaac tgtccnctng gctctgcccg tccgaccatt caaagggtcg acccacncgt 60

ccgcccacgc gtccgggaaa atcaaagagt tagctcagct ccgatcactc tctccgatta 120

tctttcgctc tttagattca tggtgaatcg tttaccgtca ctctctcctc gtaaacccta 180

gctctctccg aaaccctaac tcgctgcgtt ggaaactaat cgagctcgtc cctctccttt 240

cggaagcatt tctttaatcg gtgttgcaga ggcgttttgg tttctgatcg gtttagcttt 300

ctgagttaga acagtctaag gctgcaatga gtattcctca gtcgaaatct tcatcaaatg 360

gatttccact caaaagaggt gaaacagagg aagttttaca taagacaaat acatcaaata 420

cagtattcaa tggggaagct ggaagcttga agaagctttc acttgatcgg ttagtgtact 480

cacaacatgt taagattggg gcatcatgtt g 511

<210> 16319
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-E6

<400> 16319

ggnngnnaat gttttgtctg ccctgntccg ccgaaaccat cantcgcggg tngccccacg 60

cgtncgtgan cttttctctc tgttcattct cttttcttta gcttaattca gcaaaaaatt 120

tatctttgtt tctctctttt gtttctttcc tctgcaaagt aaagttatga gagcttaata 180

angtttggcn catcttcaag cttcagatct gattccttgt ttctacaagt aattgtctct 240

ttctttttcg attaaccacc atttctgtga agaaaacctt tttgctttct tcaagattcg 300

agtgaggaaa attttaagct gaaaatgctg gaaattggaa gtcccaatgc tctgtttttc 360

cgtacgaata ctacttgtaa taatcttctc cgtgagcttc agaaaatatg ggttgaaatt 420

ggtgagactg agactgagaa agatagaatg cttatggnat tagagagaga atgtcntcaa 480

atccaacaaa ggaaagttga tganggctgc a 511

<210> 16320
<211> 92
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-E8

<400> 16320

ccttctctct ctccttctga aagtctctct ctttgccgtc gttagcctct tcctacactt 60

ggggctgcga ttcttccant cctccgnttt ca 92

<210> 16321
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-026-Q1-E1-F1

<400> 16321

aatctctctc tgaaccatga gaggtcacga tcggattaac aattgtttgc cggaggaact 60

tatcctcgag atattccggc gacttgaatc gaaaccgaat cgcgacgcat gctccctcgt 120

ctgcaagcga tggttatctc tcgagcgatt tagccgcacc acgcttcgta tcggcgcttc 180

gttttctccc gacgacttca tctccctcct atctcgtcgc tttctctata ttacctctat 240

ccatgtcgac gaacgtatct ccgtctccct tccttccctc tctccttccc caaaaagaaa 300

acgtgggagg gacagttcgt cgccatcgtc gagtaagcgg aagaaattga ctgataagac 360

acattctggg agctgagaac gtcgagtctc caacttgact gatacggggc ttgactgctc 420

taacgaa 427

<210> 16322
<211> 207

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-F10

<400> 16322

tngacttggn cttaatagaa agagtantga tgatgatgnt gaagaatgtc cgggggggtgg 60

tgatcttgac atggatgatg atgacattgn naatggggat gactgggagc acgaggaaat 120

tttcacggat gatgatganc cagtcggtcn tgatcctgag gaacgtgtag accttctggc 180

tcctganatt cctgctcctc caganat 207

<210> 16323
<211> 363
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-F11

<400> 16323

taagtcacna aagnaagaaa ngnacacaga aagtttcaat ggccgcctcc acaatggctc 60

tctcctcccc tgccttcgcc ggaaaggctg tgaacctttc ccccgcggca tctgaagtcc 120

tcgggggggcg gccgtgtgac aatgaggaag actgttgcca tgccaaaggg tccatcaggc 180

agcccatggt acggttccga ccgagtcang tacttgggtc cattctctgg cgagtcacng 240

agctaccttа ccggngagtt ccccggggac tacggatggg acaccgctgg actttcagct 300

gatccgagac attcgcaagg nancgtnagc tanangttat ccacagcngg tgggctntgc 360

tcg 363

<210> 16324
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-F5

<400> 16324

ttgagaggga gaaaaagggc gatcgattag ggtttttgtg ttttcgtctt agtatcgaag 60

atgatcggag ctgtgaactc ggtggaggct gtgataacgt caatccaagg tttatcgggg 120

agtccagagg atttatctgc acttcacgat cttttgagag gagctcaaga ctcgctccga 180

gccgaaccan gtgttaattt ctctactctt gaccagctcg acgcctcgaa gcactctctc 240

ggttacctgt atttccttga ggttcttacc tgtggtccag tgtcnaanga gaaagctgct 300

tatgagatac cgataattgc acggttcatc aattcttgtg atgctggggc anattcgttt 360

tggcgagcta taaattttgt atctcctttg taagatattg anagaccatg tttatagcac 420

tggggagatt cgtttccnaa ggagtaag 448

<210> 16325
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-F6

<400> 16325

gancgnacca caccnngtat tcncgngtcg ccccacgcgt acgcaaacgc gtgggcgacc 60

cacgcgtccg ggaggttcac catatatcta tcctctctat gggttgggag aattgcctca 120

ggcatttgca cgacttagtg ctgtctatgg tgggnngtan ggngtngnga naaacctgag 180

tgcaangtag agtttgacga ggagggtaag gtttctggtg ttacatctga gggagagact 240

gccaaatgca agaaagttgt ctgcgatcct tcttacctaa ccaacaaggt caggaagatt 300

ggcanggttg ctcgggcgat tgccattatg anccacccta ttccaaacac caatgattct 360

caatcgggtg caagtcattc nanccaaaaa caattggggc ccgcaaatca aacatgtatg 420

tcntctgttg ttcatattca cacaacgttt ctcccaangg aaagntcata ncaattttgt 480

cancagacgc t 491

<210> 16326
<211> 53
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-F7

<400> 16326

ttcnttattt attagccgcc naagggaatt cctccggcgc catttttat aat 53

<210> 16327
<211> 67
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-F8

<400> 16327

acgangactg ttgccaagcc aaagggccca tcaggcagcc catggtacgg gtctgancgt 60

gtcgngt 67

<210> 16328
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-G1

<400> 16328

aagctctgtt agagagaaga agatcaagac caacgggatt tggttaaacg ttgctgagaa 60

aggagacgaa gaagggcctt tggttctgtt actccatggt ttccctgaga catggtactc 120

ttggcgtcac cagatcgatt tcttgtctag ccatggttac cacgtggtcg ctccagatct 180

cagaggctac ggtgactccg attctctacc gagccacgag tcttacactg tgagtcacct 240

agtcgctgat gtcatcggtt tactcgatca ctacggcact actcangctt ttgtggctgg 300

gcatgactgg ggagcaatca taggttggtg tctatgcttg tttanaccan accgagtcaa 360

anggttcata agtctctctg ttccataatt cccaagagat tcaaaactca aaccttcaaa 420

atttttcaaa antttggng aagg 444

<210> 16329
<211> 134
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-G10

<400> 16329

canggttgca cagggggagg angacgatga agatgttgat gagactggtg ttgaagccaa 60

ggacattgat cttgtgntga ctcagtccgg tgtctcgagg cccanggctg ttnaggctct 120

tattcgcgag tnac 134

<210> 16330
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-G2

<400> 16330

ntgctgcgct aagaaagaaa agaagaagaa agatgccagg agcaattgtg gaggaagaga 60

aatctcagat tgaatccatc aaagagcaat tgaaactcga gaaggaagat gatgttgttg 120

tggaggatgt gaaagacgga gaggaagaag acgatgatga agacgatgag gacgtcgaan 180

ttgaanggga angtggaaat gagaatgcaa agcaaagtag aagcgaagaa gaaaagtccc 240

aaagctgttc taaagcttgg catgaaacct gtctcagatg tcagcagagt gacaatcaaa 300

agagccaaga atgtgttatt ttgtcatctc naaagcccag atgtttacaa agaatcccaa 360

tgcaagagac ttacgtcaat ttttggagaa ggccaanggt ccacgaattt gaagctctca 420

acctacaaga ctcaagctgg ctcaaaangt tttaagatgc cctgatg 467

<210> 16331
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-G3

<400> 16331

ntgggngngg aatgtcnnct cgcnctgccg tccgagntta ganggtcgnc ccacncgtcc 60

gcaacgggct ctgtttcaat aaaaaaaatc ccctccctct catatttacc tcccgaataa 120

aaccggaggg agagaaaaaa cataaaaagc anaaaaaaag gtaaaatcaa aaaggggaaa 180

aatatatann aacanaaaaa aaaagttaga aaaaatggca gtaggaaagg ttgtggtatc 240

tgtggcatca ctcctcctag tggtgggtgt tgccatagga gttatcacgt tcgttaataa 300

aggaggcggc gccaatggcg acagtaatgg tcccataaac tctcatcaga aagcggttca 360

gacaatttgc cagtcaacca cagaccaagg ttcgtgcgcg aaaacactcg acccagtcaa 420

aagtgatgat tcaagcaagc ttgtcaaagc cttcctgatg gctactaaag acgcgatnac 480

aaaatcctca aacttcacgg ntttgaccga ang 513

<210> 16332
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-G4

<400> 16332

gngnggaatg tcntctcngt ctgccgtccg agnttcanag ggtcgcccca cncgtccgga 60

agtttacagt gatagttgcc cagaagaacc accacacaaa gttcttccag tctcgaggcc 120

ctgataatgt tcctccagga acaatcattg acagccagat ctgtcaccca cgcaactttg 180

atttcnatct ctgcgcccat gctggcatga ttggnactac aaggncaaca cattaccatg 240

ttctgtatga cgagattggg tttgccacag acgacctcca agaacttgtg cattctctgt 300

cctatgttta ccagaggagc accactgcga tctcagtcgt tgcacctgta tgttacgctc 360

atttggcagc tgcacagatg ggaactgtga tgaagtatga agagttgtct gagacttctt 420

cgagccatgg aggaatcanc acacctggga gcaatccctg tgccaactat gccgcaactg 480

cacaataatg tttcaacctc catgttc 507

<210> 16333
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-G6

<400> 16333

ngnngnggca actgtcctnc tcttatctgc tcgtcccata ntatcantcg ccngtcnccc 60

cacgcgnccg ggcaacttcg agatcaagtt aaagaatggc ggcaacatca ctattgtaca 120

atcagctcaa ggctgctgaa ccattcttct tgttggctgg tccaaatgtg attgaatccg 180

aggaacanat tcntcgaatg gcaaagcaca ttaaagacat ttccacaaaa gttgggctgc 240

ccctggtttt caagtcaagt tttgataaag ctaacagaac ttcttcaaag tcatttcgtg 300

gtcctggcat ggccgagggt ctgaagattc ttgagaaggt gaaggtagca tatgatctac 360

caatagtaac tgatgttcat gaatcaagcc agtgtgaagc agttggcaag gttgcagata 420

taattcagat tccagcattc ttatgtcgcc agacagatct tctggttgca gcagcacaaa 480

ccggnaaaat tatcaatatt aagaaaggnc aattc 515

<210> 16334
<211> 88
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-G9

<400> 16334

agacgccacg atggatgaat gatttcgcaa atcgtcgaga ttttggaatt cgatgaagag 60

cgtancaacc tgngctttgt cnttcttc 88

<210> 16335
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-E3

<400> 16335

atggattgaa ttggtttggc tctctgctcg aacgattctc tctgataacc cgattgtcaa 60

ctccacagcc cacagacaga gacagagttc gttgccttgc ctccgtgttg ttttgttcan 120

accgcgtgaa aagctttcat catcaattca tcatcataaa gaggtgtcgt gtgagcacac 180

gcaatctccc aatctctctt ctctctctct ctctccaatc tccatatctt tgtcctctat 240

aatccggaga agtagctcta ccatcgaaat ctcccaactt gcttccttga agctttttgc 300

tttttgtttt cgtctttgcg cgtgtcccat tctcttctcc aaagttccct ataatagtga 360

aagctcatca agttatttag ctctcagttt ctgaaagatg gaggtcaagt tatggaatga 420

taagcgtgag agagaaatgt ntgat 445

<210> 16336
<211> 529
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-H11

<400> 16336

nnnnngnnnt gggnnnnnnn gagtggtctg cctggttgta gcggcccgga tatcccggnt 60

cgacccacgc gtccgcccaa gcgtccncgg acgcgtgggc ggacgcgtgg gcgaattaaa 120

gtcaatggcg tcacgtttat gtcttctcct tctcgttgcg tgtatcgccg gagcatttgc 180

cggagacgtc atcgaactcn gncgatctca gagggagttc gattatttcg ctctatctct 240

tcaatggcct ggaacctatt gccgtggaac tcgccattgt tgctccaaaa acgcttgctg 300

cagaggctcc gatgctccaa ctcaattcac aattcatggg ttatggcctg actataacga 360

tggttcgtgg ccttcatgtt gttatcgatc tgactttaaa gagaaggaga tttcaacgtt 420

gatggatggt cttgagaagt actggnctaa tctcagttgt ggttctccat catcatgnaa 480

tggtgggaaa gggtcatttt ggggcacaag tgggaaaaac atgggactt 529

<210> 16337
<211> 283
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-H2

<400> 16337

tgggtnngta atgtcttctc gnanntggtc gtccgtgtgn tcacanggtn gccccacgcg 60

tccgcaantc caagcgacgg cggacagggc gtggaggacc cgccggagaa gaatgcttgg 120

agttgaagca acccataata aattaattgt cagaggagag tttccgggtg gcggcgtgag 180

tatcgacccg ggtcgggtaa acgggtccaa cgcagggagg gcaatccccg cattagacca 240

tagagaaacg aaaataaagg agaaaaaaaa aaaaaaaggg cgg 283

<210> 16338
<211> 340

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-B8

<400> 16338

cagcgaattc acatctcang ctgcttttga atccgccgta actaaaaaca atcctccttt 60

tctcgattcg ttaanctatg gccccgccgg caggacaaac ggcggcggtg gcngnagcgg 120

ctggcgccga tggtgctcca ccgcancagc agcgtggatt tggttccacg atttccggca 180

tcgttagaat cgccgtcttt tggnattttg cttcnaagtt cttttctcct aagtcagaaa 240

cntaggggat cccactgctc ccgtctcaag ctcangncta gtcgcttcca nagngggcga 300

tacaggtggg nntgntgggt tngctaccaa aancaggggg 340

<210> 16339
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-B9

<400> 16339

nagcttttgc cattgcttct gctctcactt ccacactcac attatccacg agcagagtcc 60

aaaatcctac ccagagaaga ccacatgtag cgtccacatc atccaccggt ggaagatnaa 120

tgagagagcg cttggtggtg gttcgtgccg gcaaagaagt ttctagcgtc tgtgaaccac 180

ttcctccgga ccgtccttta tggttccctg gtagctctcc acctgaatgg ctcgatggca 240

gcttacctgg tgatttcggt ttcgatcctc tcggtttagg gtctgatccg gacaccctca 300

aatggtttgc acaaagctga gcttatacat agccggtggg caatgctggc cgtgancggt 360

atcatataca gaatgtccca gcggttangt ttcaatggaa anttccaatg gtatgaccaa 420

ggtcncctga gtacttcgcg gattccanta g 451

<210> 16340
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-025-Q1-E1-C10

<400> 16340

agagagagag agagagagag agagagagag agggacgaaa tattaatcat cgatcaagtt 60

gcttcaatcg cgaaaaaaat ccatgaataa aactatggaa tggaatgtga atnaaaggat 120

ttggttatgg tgatgacgcg atcttcgatt cgattcggtg attaaaagat ttggaagctc 180

agatctcaag ctcggatttc taatttttgt tggattatct aacccaaaag ccaaaaaaaa 240

aaaaatgaac ggtggtgacg atgccgctac tagtggtcct cctccgtctt tagagtggag 300

attctctcag gtcttcggtg agcgaaccgc cggagaagaa gttcangaag ttgacatcat 360

ttcagccatc gaatttgata aaaagtggag accatctcgc aactggtgac cgttgggggc 420

cgaagtantt ccttttgaaa nggacana 448

<210> 16341
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-C11

<400> 16341

aaatttgaac ttgtggagag agaaaagggt tagatacaga gagatagcga aagagaagaa 60

gaagaagagg tctatcgaca gagcaaactt cgtcaagaga tccgttaaaa ggatccattt 120

ggagctccga ttcgagctag agtcaataat gagcggaaga cagagatctg ttgcagcggc 180

ggtgcatcac cagaggcagc tctccgataa ccctctcgat atgtcttcat ccaatggcag 240

atggcttcaa tccactggtc ttcagcattt tcagtcatcc gccaatgatt atggatacta 300

tgctggtggg caaggaggtg ggtggtcaag cagcaagagg ataccagaat gctcagagag 360

gaaacgaatt ctttgggggа accaactact cctcaatacg gtgctcgtcc taccaaccaa 420

aggaaagaac atgatgaatc cgagtttant cctggg 456

<210> 16342
<211> 543
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-025-Q1-E1-C2

<400> 16342

nnnnnnnngg aantgtcttt cctggccccc acggtccgga naaancccgg ggtcgnccca 60

cgcgtccgct acggttcaaa cattaaaaag atagatggag aagaggagct ctattaaaaa 120

cagaggagta cttagattac caccagggtt ccgatttcac ccgaccgatg aagagctagt 180

ggttcaatat ttacgtcgaa aagtaaccgg tttaccctta ccagcttctg taataccgga 240

aaccgatgtt tgtaaatccg atccatggga tttaccaggt gattgtgaat cagagatgta 300

ttttttttagc acgagggaag ctaaataccc gaacggaaac cggtcgaacc ggtctaccgg 360

ttcgggttat tgggaaagcg actgggtcct cgataagcag attcggtaag aaagaaanct 420

tgtccntggg ggatgaaaga aaaactccct ggttttccca acaaaagggt aaaacccaac 480

caaaaccggg aacaangaac taactggggt tccntcaatg aaatatccgt ccntggtttg 540

att 543

<210> 16343
<211> 62
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-C5

<400> 16343

aattagaatg gcggatttgg gattttngaa tgggggaaac aanggaattt acgggttngg 60

tg 62

<210> 16344
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-C9

<400> 16344

ngattcacca acatcctaaa acccttttga tcaaaacatg gcttccattt ccagaatctt 60

accaacagat ggcagattaa gtcaatgcag aatcaacacc tcgtgggttc cttctanaac 120

cagaactcaa actcacttag attttcccaa gttagtttct gttagtaact ctgggataag 180

tttgaggatt cagaatagta aacctattag ccctgtcttt gctcttgaag caacttcctc 240

caggagggtt gtttgcaaag ctgctgctgg tgtgtcaggt gacttacctg agagtactcc 300

taaggaactt agtcagtatg agaagattat tgagcttttg acaaacccttt tccactttgg 360

gttantttgg ggaacacntg gttgggatct tcaaggcatn cctngggtta catggtttgg 420

nganaggntt cctntactcc aaggtcctgg atttcnt 457

<210> 16345
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-D11

<400> 16345

aattttgctt ctccttttct taaaccaacc ttaggatagt tttcaaagaa agaaatatgc 60

ttaaaccaaa acatttttga gaagacgatg gctcgatacc gaccactgaa gtcgttccaa 120

cctcttcaat ggatagtact gtaatttttg gtaatatttc aaaagttcaa cactcaacag 180

tcaacatcta tattattttt ttctttattc aacaagtcga atccaaattt ggtgtgtttt 240

ggtttagcta atcacttgcg actaaactaa acacaatcca ctaatcattt aataacgaaa 300

cggtccaacc cccattaaac caaactattt ttcatattta taacaaagct tttccctcca 360

cgcaacttca atatccaaaa taacaaaaca tctcttcact tctcatcaca ncatgcatca 420

tcatcatcat ccaatgcaat cgcaaaccct tca 453

<210> 16346
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-D12

<400> 16346

anattctgat gacgaatctt gcctaaagct gtgacttctc cttcgaattc tttgactcct 60

tttgttgttt tctctctcag acgcttcaca gcgacttcat tgccgtcttc taatgnggcc 120

ttgtatgctg tgccatatgt acttttcccc atgatctcag ctgtggcaca gagcagatca 180

tcggcggtga acacgaacgg accatcgaaa tggactagct tgcctcccat ttcacctcct 240

gctgatgctg ttcctgcgac acctgctgat actgtcttct ctgaggtctt gtcctttcca 300

tctttttgtt tcaaggcggc gcgtttcttg atcaggcagc agaggagtat gcagcatagt 360

anaaaggang gatggctaaa aagagctccg aatggcgaat aaggattacn tctttcactg 420

gagaagtttt ccggttggtg gnggttttcc ttgggt 456

<210> 16347
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-D2

<400> 16347

nnnnnnnnga actgtntttc tggcccgcca cggtccgaaa ancccggggt cgncccacgc 60

gtccgccnac gcgtccgccc acgcgtccgg aacgcatgcg tcagctatac aagaaagatc 120

tgttgaaaat tgtggatata gtgctctcac accagggcat aaaaaacaaa aacaaactcg 180

ttctccggct catggagcag cttgtttacc ctaatcctgc tgcttacaga gataaactta 240

ttcgattctc aacacttaac catactaact actctgagtt ggcgctcaag gcgagtcaat 300

tacttgaaca gaccaaacta agtgagcttc gttcaaacat tgctagaagc ctttcagagt 360

tagaaatgtt tacagaggac ggagaaaata tggatactcc caaagangaa aagtgccatt 420

aatgaaagaa tagaagatnn tgtaagcgca tccttagctg ttgaanacgc tctcgtggga 480

ctaattgacc atancgatna cacacttcaa ag 512

<210> 16348
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-D6

<400> 16348

tntctnaggc cnncgtaccg gtaaatattc ccgggtngnc ccacgcgtcc ncgantctcc 60

gccatggctg ctaaacctct tcttcttcct cttctcctcc ttcttcatct ctcaatcacc 120

ttagctcaaa acgacacaaa tgctctcaca ctcttccgtc tccaaaccga cacacacggc 180

aacctcgccg gaaactggac cggctccgac gcttgtacct cctcatggca aggcgtttct 240

tgctcaccat cttcacaccg cgtcactgaa ctatctctcc cttccctctc cttacgagga 300

ccattaacct ctctctcctc cttagaccaa cttcgtcttc ttgacctcca cgataacaga 360

ctcaacggca ccgtttcaac actcacaaac tgtaaaaact cagactcgtt tatctcgccg 420

gtaacgatct ctccggtgag aatcctaaaa gagatatcct ttcttaaacg gatgatacgt 480

cntgatctct ccgg 494

<210> 16349
<211> 267
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-D8

<400> 16349

aaaatcatca ccaccgtcaa cttttctctt gcggacaaga cgattctccg attatcccca 60

agaggagaat cctcataatc attttctccg attcgattcg tcttccttgg tcggggattg 120

cttcatgaat ttctaggaca acaatggagg ctcgtccagt tcatagatca ggttcgatag 180

acctcacacg cacttcttca atcncatcta nacaaaaanc ttcancagta ggaancatan 240

tttcatggag atcaggtngc ancagtc 267

<210> 16350
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-E1

<400> 16350

aaaccgtata accgttcggt tcagaggtgc cgaaccgaac cgacccgtaa accgaaatcc 60

tcaaaagaaa ttgccgatcg gtttgctact gttcaaaacc tcggtgccga gaaccgaaac 120

tgtcggtttt ttcggttcgg gtttctcggt ttcttccgaa ctcccaggcc tagtttggtt 180

ttatttttca cgagttttgc ttctcttttc atcggcgacg acgacgtcga gtttctgtca 240

aaacgttaac gatccgactc gagcgtcgac agtaagagaa gaagacagcg attgtgtgta 300

gatcgacggc gaaagtttgt ccattcgtcc cattcnacgg agaatacntt ccattcgggt 360

tccattcaaa tccggaaatt ttgangattt aaaaccggga aattgcaatt aatactccac 420

c 421

<210> 16351
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-E10

<400> 16351

aaatcggagt tactatgtgg accgtgaaac cggcggcgat gccgaatcaa tttcttatga 60

gacccaccgt agcaacttct gtcggctatt cacagcnacc accaccgcat aatgttatga 120

tcgagaattc ttctgaaatt ttctgagctc aatttcttaa tttgtgaatt gatttgtggc 180

aagagcgact ccatgggact tggagccatc tcgtctctgc tacatatatg tgggcaagag 240

cagtgctact tatgcaacag gtaactccag tgtttttctt tgggttttag ctaaagattt 300

ttaggctata tgaattgcat ttggtttgga ctatatgtta tctgtgtgga atcgaatcaa 360

aattatcaan tccggttcgt ccgganttgg attaattgtg ggaagtgaca attgccaagn 420

ttgtctttng 430

<210> 16352
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-E12

<400> 16352

ggggagagag agaaaagaag agcgaacaaa ttccttcttt ttcccctctt tctctctctc 60

tcccactctc tcatcttctt cttcttatga ttttcaactt attacaannn caacaacaac 120

aaaataatct tgcaaagttt cagtctcagg tggttcacag ttaatgctac ttgcaatgat 180

gaatccatcc caatttcgat aacctctact gaggcatcca aatgttgaac ggaaaagaag 240

agcctaagca gaagaaaggt tggtcagagt cgctgctaga atttcggtca gggtttgggg 300

aaaagatgaa agttgtgtcg aagaaacgtt gggaatctct tggtcctctt caatctgaaa 360

aagcaaatca atttgcacng gttttgcctc ctttcgaang ttgaaagtca aacaaccaat 420

gggccaaagg ccgttgcaac caagtgtatc t 451

<210> 16353
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-B6

<400> 16353

ttatttctaa caagatatat aacaatggca agagttcagc tatttttatg ctttaccatt 60

ctttttgcat cagtgactct tctggacatc gtttcagctc atttgaagct taagccaact 120

ttgcctcaga ttgaacctcc acaaacgttg aaggatgttg aaccttacac cgttaaagta 180

gtgatagtct ttgtgtccga cctcgagaaa gaatgtccca agacaaataa attcaaggct 240

ttctttgaga aacttagggc attcgccaag tatgtctgcc caataaaaag aaaagaccaa 300

gtagattacg accgagacat gaaggccaag gctggaggcc tcttccaagt catatccttc 360

ttttgcgatt gggaaagata aaaaaggaan tcaagaaggg ataaatggga agttataata 420

cctttaagtt tatganattc c 441

<210> 16354
<211> 120
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-H11

<400> 16354

cccaaggnat canacatgca tcacgaagaa ggctctgttc ctaacaagcc tgtctctgaa 60

aacgtagtaa ccaagganaa caacacagaa antggtgaga aacagancca gacantgggt 120

<210> 16355

<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-H12

<400> 16355

gcggacgcgt gggaaaattc tgactcgttg atccataaag cgaactcttt ctcgctctta 60

gtttctgcat ttcgtctatc aaaagtagga ttatacactt tttgtttttg tttttgtgaa 120

accctataca gttcgatcta aaaccctaaa aagatggtga aaccttccga tttcaaagca 180

gttcacaaac ttattcaatt gcattacagt cgagtcaacc tgttcacaac gacgggatgg 240

tcaaaactct cagctttgtc ttctccggct cttccttcaa atggggtttc tcagcttcag 300

cctaagtctg gtttccacac cttctcgtcg agacccactt cgaaaaactt tggcttatcc 360

cagattcctc cctctaatgg gggttcccaa gcttnaaacc taaagaccag tttccaaaag 420

ctttttggcc aagacccaan ttcgaaaaaa tgtngg 456

<210> 16356
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-H3

<400> 16356

aaatagcttc atatagagat attttcaaca acttgtccct ctctaaactc atccaccttc 60

caaaacagag aaggggaaaa tatgacaccg gctatttttt ctccgacgac tcttcctcca 120

tcaactgcta catggccatg ttcaacatct cagaagctca tcaccgttag atcaccactc 180

aagttcaagt gtagagcaac ttcatcatca tcgtctatca ctgactttga tctttatgac 240

ctcttgggta ttgatcgaag ttctgataag tctcagatna aatcagccta tcgtgcgttg 300

cagaaacgat gtcatccaga tatcgcagga gattccggtc atgatatggc catcattctt 360

aacgaggctt accancttct ctctgattcg atntcgcgcc aaagcctatg acaaaggagc 420

aaagcaaaac tagaagaact canaggctat acaggggaaa acng 464

<210> 16357

<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-H5

<400> 16357

ggctggtctt tctttctcgt ctttcnatta angacacttt gatanaaaga cganaaagaa 60

agaccatgcc tgaaacatgg ntgaagaaca acaganctca gatcaganca atggtggaaa 120

cgttattcca actcctgaan aanttgctac gttcctgcac aaaactgttg aagaaggtgg 180

atgggaaaaa tgttgggaag aagagataac accatgggac caagggagag ccacacctct 240

cattgttcat cttgtcgaca cttcctcact cccacttggc cgtgctctgg tccccggctg 300

tggtggagga cacgacgtcg ttgcgatggc angtcctgaa cgcttcgttg ttggattgga 360

tatttccgaa agcgcactcg cnaaagctaa tgagacttac ggctcctcan cannggcaag 420

agtacttttc gttcgtgaag gga 443

<210> 16358
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-H7

<400> 16358

tagattgtca gctgggaaga aagaatcagc agggagagcc agaaacaaga aagcagtggt 60

cgctgcaaaa tccagtccac cagagaagat tacacagaag cggtcatcag ccaaacgaaa 120

gaagactgat gatgacagtg atacaagtcc aaaggcgtcc tctaagagga agaagtctga 180

aaaccctatc aaggcctccc cggctccttc aaagtctgca tcaaaagaga agccagtaaa 240

aagggctgga aaagggaaag acaagccgag tgataaagtg ctgaaaaatg caatcgttga 300

gatcttgaaa agagtggact ttagtacggc tacgttcacg gacatcctta aagaacttgc 360

taaggagttc acaagaagat ntcactccaa agaaagtcat ctataaagat gataatccaa 420

aganggagct caccaaatta gcagatgagg agggaggang g 461

<210> 16359

<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-H8

<400> 16359

aaagtctccg acactctcta gatttccttt gctccttcgt tctggccatg gcaatggcaa 60

aactcgcaat tttcaccact cttatggcca tactcgtaat gacatctcaa ggaaggattc 120

caacagaagg aggagagaaa gaagcagagg ctgacagaat tacgtcactt ccaggtcagc 180

ctaacgtcac gttcgagcag ttttccggct acgtcaccgt cgataaactc tccggaagat 240

cactctttta ttggctcact gaagcttctg acctccctct ctccaaaact ctcgtaattt 300

gggctcaacg ggagggaccg gggatgttcg tccggtaanc gttacnggtg gcgtcnggag 360

gangaattgg gaccattcaa gggataaaag caaaagggtg gtttccgggt tttggtatcc 420

tcaaacaang ttccgcaatg gggaactcaa atcctccnaa tctccctggt tcctccgaan 480

gctncccggc cgg 493

<210> 16360
<211> 341
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-H9

<400> 16360

tntacttgat tgcttattca tctgttgatt ctgtggttag gtttgattct tctggctctg 60

ttttgttctg tttttggtgt ttaattcttc ttagcaagca aataagggta tatgagtttg 120

ttggacatgg gtggagatat gatggaagat gattgggaat ttgcgtcatc ancaaaccct 180

anaagaaccc tanttcttgt gggccgtnct ggaaacggnn agagtgcgac aggtaacagt 240

atccttggga ggaaagcttt taggtcaaga gctanaactg taggantgac aagcacgtgc 300

naatcacaga aagttgttca agaanatggt gatatcatta a 341

<210> 16361
<211> 188
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-A1

<400> 16361

gggccggngg aancctggga ataaaanttc tcctgggaag aagggntngg ncngtagctt 60

tatccaacga ctcctatact aaggngagaa gatgtgttca gaacacctgg taccacacat 120

gttgtctcna tgagacagat ccaatgggtc acttgcaaga ttcgatggcg aacagttatc 180

acgggggcg 188

<210> 16362
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-A10

<400> 16362

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tatatgaaca tagcaatgga gcagacggag gagtatgtaa acgggcagct caagaacaaa 240

tatggtgacg cctttatccg tggaaacaac gttctttaca tcaagtacag taaacatgac 300

tgtagcagac ggagcctaag cccatcatga tcatcaacaa caacaacagt ggtcatgtta 360

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gagaaatctg acacaaagct tggtaaggga gaattccaac tacaaagtaa ccgttccttt 420

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gacctttcct tcgccgtaca aattttccgg tacatcccta aacctttaac caatgattgg 240

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cgttccatgt tgcagcaatc ttcgtcatcg tcggctatat gtagagtcga tgctttgact 360

tgttctttta ctcttaaagc ttgtgcacgt gcgctttgtt cttccgctat ggatcaactt 420

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ctcgtttttt cgaaagtgat ttttgggagt ttttgactcg cacggtttgg tgggcaatcc 240

caacaatctg gcttccagtt gtttgctacg ttctttcaat atcggcgagt aagggactta 300

cgtttcccca gatcggttta ataattgctt ttggtgtact cacgtnggac actgctcgag 360

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